

No. 726.

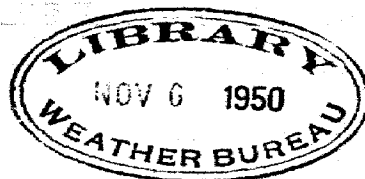


JAMAICA

# WEATHER REPORT.

FOR THE MONTH OF

JANUARY, 1937.


QC  
987  
J25  
W34  
1937

The barometric pressures at all the Stations, except the Hill Gardens, are reduced to the standards of Kew 32°, gravity at Lat. 45° and mean sea-level. The bar. at Hill Gardens is reduced to the first three standards only. Thermometers are exposed in Stevenson's Screen; their readings have been corrected for instrumental errors.

The miles of Wind per diem are measured by Robinson's Anemometers, the factor 3 being assumed correct for the four-cup instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky; the Lower (L) clouds are for the most part fracto-stratus; the Middle (M) clouds cumulus and the Upper (U) clouds, cirrus and cirro-stratus.

The rainfall is measured at 7 a.m., and entered as having fallen on the previous day.

The 75th Meridian Time West of Greenwich adopted from 1st February, 1912.

## METEOROLOGICAL RESULTS.

STATIONS.	Elevation.	Bar. Pressure		Temperature.					Extreme Temperature.				
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range.	Max.	Date.	Min.	Date.	Range.
	ft.	ins.	ins.	°	°	°	°	°	°		°		°
Morant Point Light House	8	29.990	29.960	78.1	80.9	82.7	75.3	7.4	84.2	28	65.9	30	18.3
Kingston	24	29.963	29.901	69.2	84.6	86.4	68.5	17.9	89.2	8*	65.1	27	24.1
Negril Point Light House	33	29.972	29.921	71.8	82.7	85.4	69.5	15.9	88.2	9	64.6	18	23.6
Castleton Gardens	496			67.5	78.3	81.2	66.5	14.7	85.0	24	59.0	31	26.0
Hope Gardens†	668	30.028	29.931	67.0	84.2	87.8	65.2	22.6	90.0	24	63.0	30	27.0
Boon Hall	970												
Hill Gardens	4,900	25.249	25.238	62.2	64.4	67.2	54.8	12.4	470.0	8	54.0	30	16.0

STATIONS.	Elevation.	Dewpoint and Rel. Humidity.				Rainfall.	Win. l per diem.	Wind: direction from and miles per hour.				Amount of Cloud. Lower, Middle and Upper.					
		7 a.m.		3 p.m.				7 a.m.		3 p.m.		7 a.m.			3 p.m.		
	ft.	°	%	°	%	ins.	Mls.	Dir.	m.p.h.	Dir.	m.p.h.	L.	M.	U.	L.	M.	U.
Morant Point Light House	8	71	79	71	73	5.35	343	ENE	18.0	ENE	16.0	2.7	1.5	0.6	1.5	3.1	0.4
Kingston	24	64	84	68	58	1.13	189	N	3.9	SE	15.2	1.4	0.4	1.2	2.1	3.1	0.6
Negril Point Light House	33	66	83	71	67	1.83	133	NE	4.7	Var.	9.3	1.7	1.2	1.1	1.6	5.3	0.4
Castleton Gardens	496	65	95	74	87	16.86	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	62	86	71	65	1.30	..	..	..	..	..	..	..	..	..	..	..
Boon Hall	970	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens	4,900	58	86	61	89	4.92	..	..	..	..	..	..	..	..	..	..	..

\* And on other days. † Hope Gardens Bar. read at 9 a.m. and 3 p.m.

075706

# **National Oceanic and Atmospheric Administration**

## **Climate Database Modernization Program**

### **ERRATA NOTICE**

One or more conditions of the original document may affect the quality of the image, such as:

Discolored pages

Faded or light ink

Binding intrudes into the text

This document has been imaged through the NOAA Climate Database Modernization Program. To view the original document, please contact the NOAA Central Library in Silver Spring, MD at (301) 713-2607 x124 or [www.reference@nodc.noaa.gov](mailto:www.reference@nodc.noaa.gov).

LASON

Imaging Subcontractor

12200 Kiln Court

Beltsville, MD 20704-1387

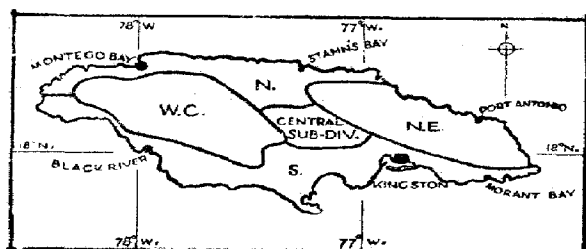
March 28, 2002

## THE RAINFALL.

The first four columns contain all the information relating to the Rainfall for the month received for publication up to the time of sending this report to press; the last column contains the corresponding Rainfall average for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1929." In obtaining the mean Rainfall for the month only those stations are considered for which the average Rainfall has been also given in the last columns that the results derived from these two columns are comparable for each Division. These results are given in the comparative table at the end of this Rainfall Return so as to arrive at the mean for the whole Island, embracing the four Divisions.

The Northern Division comprises the northern shores from Port Maria to Davis' Cove, including the central part of the Island which forms the Central Sub-divisions; the Southern Division comprises the southern shores from Holland Bay to South Negril; the North-Eastern and West-Central Divisions are the remaining parts of the Island bounded by the sea and the other Divisions.

A Map showing these Rainfall Divisions is published in Mr. Maxwell Hall's "Rainfall of Jamaica," following page 27, 1911 Edition, and of page 33 of 1934 Edition, an outline of which is given below.



January, 1937.

STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
NORTH-EASTERN DIVISION (N.E.)					
Manchioneal	7.35	2.30	12	18	5.61
Priestman's River	4.10	1.30	12	6	5.66
Bath	8.69	1.47	4	15	6.12
Barrett's Gap	10.43	2.40	4	23	
Millbank	21.99	4.03	13	22	
Comfort Castle	24.42	3.21	5	26	
Moore Town	24.52	2.45	4	23	16.89
Port Antonio	14.53	1.60	16	21	8.71
Passley Garden	14.46	2.05	4	21	
Fellowship	19.54	2.90	4	26	12.54
Johnson River Br.	5.47	1.30	12	9	3.30
Trinity Ville	3.94	0.85	12	8	
Fruitful Vale	20.23	3.26	5	24	
Hope Bay	24.38	7.20	5	27	
Cedar Valley	3.95	1.15	11	11	3.65
Moy Hall	4.01	0.85	28	13	3.65
Paradise	23.66	3.35	5	27	
Lennox	19.89	5.18	5	23	
Greenvale	18.79	3.46	5	20	20.33
Darley	15.54	2.06	4	28	
Spring Garden	19.14	5.00	5	21	8.92
Hill Gardens	4.92	2.36	10	10	7.10
Buff Bay	16.04	4.50	5	23	9.33
Buff Bay R. Est.	21.49	5.96	5	25	
Belvedere, Portland	14.15	3.55	5	11	12.41
Windsor Castle, do.	16.72	4.04	5	19	6.37
Balcarres	23.46	4.75	16	16	
Mt. Holstein	7.06	1.85	5	11	16.06
Cedar Hurst	8.58	2.28	10	18	
Hardware Gap	6.35	1.90	10	13	5.70

January, 1937.

STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
NORTH-EASTERN DIVISION, contd.					
Rose Hill	Ins. 1.91	Ins. 0.68	17	8	Ins. 4.11
Mount Cressy	1.97	0.49	10	12	..
Hermitage	10.20	2.90	16	12	..
Mount Airy	1.96	0.50	16	10	2.96
Stony Hill Ind. Sch.	3.51	1.10	16	13	..
Boon Hall	4.90	0.90	2	12	..
Brandon Hill	12.70	4.50	4	9	..
Enfield	9.78	1.60	5	17	7.44
Agualta Vale	16.86	3.25	10	14	9.29
Castleton Gardens	9.72	1.65	5	17	7.96
Water Valley	9.21	1.97	5	19	4.63
Albany	3.45	1.25	16	7	2.69
Lawrence Tavern	5.20	1.21	5	14	..
Wey Hill	7.97	1.28	5	16	7.20
Richmond, St. Mary	9.85	1.50	11	22	6.36
Quebec, St. Mary	3.16	1.36	15	9	..
Above Rocks	4.86	1.05	10	9	..
Glengoffe	3.09	1.12	16	9	2.72
Carew Castle	8.69	1.65	5	17	10.18
Hampstead, St. Mary	14.73	3.25	5	16	..
Windsor Castle do.	8.61	2.08	8	9	..
Troja	2.54	1.98	16	3	..
Pear Tree Grove	7.42	1.47	5	14	6.24
Guy's Hill	7.05	1.12	12	16	7.45
Lucky Hill	7.78	2.29	10	10	5.76
Rio Hoe	6.99	1.30	12	17	4.93
Unity Valley	6.43	1.03	5	12	4.84
Moneague	7.68	2.10	5	18	5.91
Claremont	6.58	1.60	5	20	7.06
Averham Park	5.09	1.53	10	14	5.37
Albion					
NORTHERN DIVISION (N).					
Port Maria	9.35	1.25	10	20	5.85
Wentworth	8.11	1.05	10	15	..
Oracabessa	7.89	1.55	20	13	..
Huddersfield	5.47	1.60	20	6	..
Ocho Rios	5.62	1.60	5	11	4.73
Rockfield	6.88	2.40	6	17	7.67
Liberty Hill	6.70	3.00	4	18	6.53
St. Ann's Bay	4.82	1.02	20	19	5.22
Richmond Estate	2.90	0.58	3	13	5.82
Runaway Bay	3.32	0.58	12	11	2.85
Knapdale	8.99	3.12	5	15	..
Alexandria	1.71	0.67	16	5	2.79
Bel-Air	4.75	1.05	14	17	..
Brown's Town	7.21	2.30	5	19	6.01
Wilton	5.32	1.86	5	14	..
Watt Town, St. Ann	1.90	0.51	21	9	2.82
Home Castle	6.25	2.00	10	7	5.52
Arcadia	3.45	0.85	5	11	4.76
Vale Royal	3.48	0.82	5	10	5.03
Harmony Hall	1.61	0.30	13	10	4.02
Duncans	2.67	0.71	2	7	..
Clark's Town	3.26	0.60	10	8	..
Falmouth	2.32	0.61	2	8	3.82
The Hague	2.19	0.43	12	11	..
Wales	2.45	1.00	10	7	..

STATIONS.	January, 1937.					STATIONS.	January, 1937.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
NORTHERN DIVISION, <i>contd.</i>						WEST-CENTRAL DIVISION, <i>contd.</i>					
Adelphi	1.95	0.46	10	8		Mercworth	3.71	1.55	12	10	
Barrett Hall	2.48	0.85	3	6		Mandeville	3.35	1.73	12	9	3.03
Success	2.53	0.53	5	6	2.12	Ulster Spring	0.94	0.32	10	6	3.42
Rose Hall	2.69	0.58	2	7	3.42	Greenvale	1.72	0.57	11	7	
Cinnamon Hill	2.76	0.75	3	7	3.49	Albert Town	0.24	0.07	7	5	2.31
Tryall	2.60	0.76	5	8	2.12	Craig Head	0.68	0.32	11	4	
Running Gut	2.72	0.78	12	7	3.54	Warsop	0.46	0.37	6	3	
Spring Estate	3.03	0.80	12	7	3.83	Troy	0.60	0.35	3	2	2.02
Friendship					3.74	Wallingford	0.74	0.60	29	5	1.80
Retirement					3.51	Balaclava	0.64	0.42	29	5	1.81
Rose Mount	1.91	0.83	5	9		Braes River	1.19	1.00	12	4	
Montego Bay	1.76	0.84	5	8	2.88	Wakefield	1.83	0.55	30	7	
Anchovy	1.55	0.69	4	8	2.85	Aberdeen	1.60	0.86	3	7	
Hopewell	1.40	0.70	4	4		Accompong					
Blue Hole	1.07	0.49	4	4	3.15	Maggotty	2.07	0.48	5	8	2.90
Cascade	3.64	2.08	4	6		Lacovia	0.44	0.44	12	1	
Lucea	6.22	4.56	26	9	3.13	Mulgrave	3.98	1.10	4	9	
Haughton Court	4.43	2.45	26	7	2.58	Holland	3.69	1.35	25	5	
Kendal—Hanover	3.91	1.60	4	9		Ipswich	6.43	2.45	5	7	
Cousins Cove	3.23	1.68	4	13		Ginger Hill	4.82	1.55	13	5	
Green River	3.79	1.73	4	8		Kempshot	2.78	1.20	4	11	3.76
Green Island	3.18	1.58	4	8	2.38	Mochó, St. James	2.66	1.00	11	7	
Haughton Hall	4.02	1.30	4	11		Bandon Pen	1.92	0.70	4	7	
CENTRAL SUB-DIVISION						Catadupa	1.93	0.63	11	7	2.36
Knolls	1.84	0.50	16	7		Cambridge	1.31	0.57	4	4	2.33
Highgate (St. Cath.)	4.88	1.10	16	16		New Market	5.68	1.30	5	8	2.47
Rio Magno	8.91	1.59	5	13		Kew Park	1.49	0.45	24	4	2.28
Riversdale	1.53	0.64	5	5		The Bog	6.39	1.70	5	9	2.73
Headworks, R.C.C.	0.81	0.35	17	3	1.62	Bethel Town Dist.	3.09	0.92	11	11	3.41
Bog Walk	3.29	1.45	11	4		Burnt Ground	2.11	1.12	4	7	2.58
Linstead	3.28	1.95	4	3	2.30	Haughton Grove					3.04
Ewarton	2.38	1.40	28	5		Darliston	4.12	1.97	25	7	2.93
Cave Valley	0.85	0.75	4	2	2.21	Bluefields	5.63	2.30	4	10	2.81
Guanaboa Vale	5.00	2.66	3	6		Whithorn	3.79	1.37	4	8	2.38
Point Hill	5.30	1.63	13	12	3.41	Water Works Pen	3.42	1.15	25	6	2.03
Brown's Hall	4.81	1.47	17	9	2.25	Williamsfield, Wld.	3.96	1.70	4	7	
Bellas Gate	2.62	1.40	3	9	1.66	Baulk	3.57	1.20	4	8	
Rock River	3.60	1.15	3	5		Askenish					3.48
Crofts Hill	2.13	0.55	25	8	2.06	Grange Hill	4.51	1.42	4	8	2.55
Far Enough	1.99	0.66	25	11		Mount Eagle	4.95	1.40	25	6	
Suttons	1.75	0.83	11	8		King's Vale	1.02	0.61	4	5	3.05
Colonel's Ridge	2.35	0.67	25	8		SOUTHERN DIVISION (S.)					
Chapelton	1.24	0.29	28	11	2.09	Morant Point L.H.	5.35	2.50	12	15	4.16
Crooked River	1.93	0.97	3	7		Golden Grove					
James Hill	1.54	0.33	29	11		Pleasant Hill	7.11	3.00	12	17	4.83
Frankfield	2.56	1.29	11	8	1.45	East Prospect	8.70	3.64	12	20	3.99
WEST-CENTRAL DIVISIONS (W.C.)						Morant Bay	5.83	2.40	12	16	2.84
Mochó, Clarendon	2.46	1.53	12	5	2.00	Aeolus Valley					
Smithville						Yallahs	2.91	1.00	12	4	
Clarendon, Park	1.55	0.88	12	6		Easington	2.95	0.70	12	8	1.60
Porus	2.61	1.55	12	5		Llandewey	1.81	0.59	13	6	
Borobridge	0.92	0.15	6	8		Mavis Bank	0.97	0.29	12	11	
Spaldings	2.96	0.80	13	14	2.70	Mavis Bank Factory					
Williamsfield	2.34	1.26	13	9		Bull Bay	0.56	0.36	12	2	0.73
Brokenhurst	3.09	0.79	12	7	3.08	Dallas Castle	0.87	0.31	12	9	
Shooters Hill	1.14	0.36	3	6	2.05	Gordon Town	1.90	1.36	5	3	3.20
Wait-a-bit	1.51	0.50	3	9		Irish Town	1.71	0.70	6	7	2.22
Christiana	1.93	0.54	11	10	2.37	Hope Gardens	1.30	0.73	5	5	1.79
Holmwood	2.63	0.71	13	14		Waireka					
Clifton Hill	3.95	2.00	12	5	2.10	Ivor	1.14	0.36	12	10	
Kendal, Manchester	1.20	0.30	3	7	2.24	Barbican	1.03	0.71	5	6	
						Plumb Point L. H.	1.36	0.69	28	4	0.74

STATIONS.	January, 1937.					STATIONS.	January, 1937.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
SOUTHERN DIVISION, <i>contd.</i>	Ins.	Ins.			Ins.	SOUTHERN DIVISION, <i>contd.</i>	Ins.	Ins.			Ins.
King's House Gar.	0.57	0.40	5	3	1.35	Stone's Hope	1.92	0.97	5	6	2.42
Cavaliers	0.39	0.17	13	4		Newport, Man.	2.82	0.72	12	9	2.56
Upper Kingston	1.10	0.66	28	5	0.55	Alligator Pond	0.00			0	1.39
Parade Garden	1.39	1.00	28	3		Fairfield	1.39	0.41	11	11	2.38
Kingston P.W.O.	1.13	0.80	28	6	0.87	Pepper					
Constant Spring	0.51	0.25	16	7		Myersville	0.28	0.10	5	4	
Halfway Tree	0.25	0.14	5	4	0.97	Goshen	0.52	0.24	29	3	
Clifton Pen	0.37	0.17	12	4	0.71	Southfield, St. Eliz.	0.54	0.29	5	4	2.02
Seaward Pen	0.27	0.15	5	3		Windsor, St. Eliz.	0.89	0.16	16	10	
Red Hills	0.90	0.30	20	14		Torrington	1.05	0.67	11	3	2.26
Quarantine Station	0.47	0.21	29	6	0.65	Santa Cruz	1.37	0.84	29	5	2.51
Hematine	0.40	0.29	28	3	1.12	Hounslow	0.75	0.45	12	2	
Spanish Town	1.02	0.53	28	3	1.32	Pedro Plains	0.35	0.35	28	1	1.60
The Stewartry						Mountainside	0.80	0.37	2	3	1.64
Hog Hole, St. Cath.	0.60	0.25	28	6	1.54	Fort Charles	0.12	0.12	28	1	
Clairmont	1.51	1.00	1	3		Black River	0.94	0.54	5	7	1.62
Old Harbour	0.59	0.34	28	2	2.03	Mt. Charles	2.07	0.90	3	6	
May Pen	2.11	0.87	5	5	1.36	Font Hill	2.00	1.35	3	4	1.76
Glen Muir	1.10	0.80	6	2		Mount Edgecombe	5.49	1.13	4	12	2.07
Cottage	0.67	0.36	28	4		Sweet River					1.92
Belle Plain	3.50	2.18	12	6		Sav.-la-Mar	2.52	0.98	3	7	1.66
Milk River	0.29	0.25	5	2	1.75	Little London	2.92	1.20	25	5	1.90
Retrieve	1.45	0.50	1	3	1.21	Retreat	2.32	2.00	25	4	1.82
Hog Hole, S. Man.					1.83	Negril Point L.H.	1.83	0.90	25	7	1.73

## NOTES.

COMPARATIVE TABLE OF RAINFALL  
AND RAINY DAYS.

DIVISIONAL AND ISLAND RAINFALL.	January.			
	Rainfall.		Rainy Days.	
	1937.	Ave.	1937.	Ave.
	Ins.	Ins.		
North-Eastern	9.25	7.68	16	13
Northern	3.64	3.67	9	8
West-Central	2.59	2.80	7	6
Southern	1.93	1.83	6	6
The Island means	4.35	4.00	10	8

## SHOCKS OF EARTHQUAKE IN JANUARY, 1937.

Date.	Standard Time. (Approx.)	Intensity.	Notes, where, etc.
		None reported.	

N.B.—IT IS PARTICULARLY REQUESTED THAT ALL RAINFALL POST CARDS BE SENT IN NOT LATER THAN THE 5TH OF EACH MONTH.

## THE ISLAND—JANUARY.

The mean rainfall for the Island was slightly above the average. The North-Eastern and Southern Divisions were above the average, while the Northern and West-Central Divisions were below the average.

The greatest total fall for the month was 24.52 inches at Moore Town in the North-Eastern Division, and the heaviest fall in 24 hours was 7.20 inches at Hope Bay in the same Division on the 5th.

The mean number of rainy days was 10, the average being 8. Darley in the North-Eastern Division had most rainy days—28.

No rain fell at Alligator Pond in the Southern Division.

The mean rainfall in each parish is shown below, compared with the 10-year average. Portland with 17.27 inches was highest, St. Mary with 9.51 inches second, and St. Thomas with 5.47 inches third, Kingston, with 1.25 inch, was lowest.

Parish.	1936.	10-year Average.	Parish.	1936.	10-year Average.
	Inches.	Inches.		Inches.	Inches.
Kingston ..	1.25	0.55	St. James ..	2.29	1.93
St. Andrew ..	2.20	2.27	Hanover ..	2.92	2.38
St. Thomas ..	5.47	3.43	Westmoreland ..	3.75	2.46
Portland ..	17.27	10.76	St. Elizabeth ..	1.62	1.91
St. Mary ..	9.51	6.27	Manchester ..	2.11	2.24
St. Ann ..	5.39	4.25	Clarendon ..	1.92	1.60
Trelawny ..	1.93	2.40	St. Catherine ..	3.29	2.30

## CITY OF KINGSTON.

The total rainfall for the month of January, 1937, was 1.13 inch, representing about 30% above the 60-year average, of 0.87 inch. Greatest fall in 24 hours was 0.80 inch on the 28th. There were six rainy days, as compared to the 49-year average of 4.5. The upper boundary of Kingston gauged 1.10 inch, with five rainy days.

The number of days upon which distant rain was observed are as follows, to the northward one, to the north-east two, to the eastward, southward, south-eastward, south-westward, west and north-west one each.

The mean barometric pressure was 29.946 ins.; the 33-year normal being 29.974 ins., shewing 0.028 inch below the normal. The highest barometer reading was 30.028 ins. on the 28th at 3 p.m., and the lowest was 29.867 ins. on the 3rd at 7 a.m., corrected for diurnal variation.

Mean monthly temperature, based upon four observations per day, was 76.7°, the 33-year average being 75.8°, showing 0.9° above the average. The highest maximum was 89.2° on the 8th and 9th, and the lowest minimum was 65.1° on the 7th and 27th, giving an extreme monthly range of 24.1°. On the other hand the lowest maximum was 83.2° on the 29th, and the highest minimum was 71.1° on the 5th and 15th. The maximum was below 90° throughout, and the minimum was above 70° seven times. The greatest daily range was 23.1° on the 8th.

The mean daily miles of wind registered was 189, the 25-year average being 163, showing 16% above the average. The greatest number of miles of wind recorded in 24 hours was 380 on the 22nd, and the least was 107 on the 16th. Highest hourly velocity was 36 miles per hour, for a short interval, on the 24th at about 1 p.m. South-easterly squalls on the 11th, 19th and 24th. South-easterly wind continued after 7 p.m. on eight occasions.

The mean relative humidity was 73%; the 33-year normal being 78%. The mean 7 a.m. was 84%, and the mean 3 p.m. 58%. The lowest 7 a.m. was 70% on the 22nd, and the lowest 3 p.m. was 41% on the 20th and 21st.

Overcast conditions prevailed in the forenoon on seven occasions, and in the afternoon on fourteen.

Total evaporation for the month of January was 5.00 ins.; the 10-year normal being 5.06 ins.

Mean daily number of sunshine hours 7.4.

## NEGRIL POINT LIGHT HOUSE.

A Table on page 7, giving the Meteorological Results, for Negril Point Light House, situated at the extreme westerly point of the Island, for the year 1936, is appended.

The extreme maximum temperature recorded was 92.5° on the 22nd July, and the extreme minimum was 64.0° on the 14th of December. The greatest range of temperature was 25.3° in the month of December, and the least range was 18.1° in the month of June. The greatest monthly rainfall was 7.92 inches in May; the average for 35 years being 6.25 inches, showing 1.67 inch in excess of the normal, and the least was 1.09 inch in February as against the 35-year average of 1.86 inch. The total number of rainy days was 136 for the twelve months. November had 18 rainy days, followed by June with 17. February had only 2 rainy days. The year's total rainfall was 55.21 inches, as against the 35-year average of 54.09 ins.

The daily average wind record for the year was 137 miles. The highest daily average was 181 miles in June, and the lowest was 109 miles in September.

The observations were conducted by Mr. J. S. Brownhill, J.P., the Superintendent of the Light House.

## METEOR OF JANUARY, 1937.

On the 19th January, 1937, at about 6 p.m. a remarkably brilliant meteor was seen to travel, overhead across this Island, moving apparently along a S.S.E. to N.N.W. direction towards the Island of Cuba. Its appearance took place a few minutes after sunset at 5 hours 54 minutes.

According to accounts given, this meteor in coursing through the atmosphere burned with a bright red colour, followed by a very long white trail, which had a duration of about 15 minutes, it was straight at first, but assumed a wavy form after, owing to shifting upper air currents following. The breadth of the trail was estimated as considerable, with an angular measurement of width of about half a degree or about the same as the diameter of the full moon. Then, if the trail was positioned say 20 miles aloft, away from the observer, it would represent a thickness of about 90 feet. Some meteorites are known to be attended by a cluster of small particles which upon entering the earth's atmosphere incandesce and become consumed owing to great friction, but the meteorite, being larger, falls to the ground.

This meteor upon approaching the horizon disappeared in a northerly direction as viewed both at Kingston and at a point in St. Ann, where it was visible still further to northward, where it is said to have shattered into three fragments. The time occupied in travelling across is estimated at about three seconds.

Mr. Herbert G. MacDonald of Messrs. Fred. L. Myers & Son, Kingston, who was a witness of this phenomenon, had the opportunity to interview one of the officers of Mr. J. P. Morgan's yacht, "Corsair," in Kingston Harbour, who reported that when this vessel was clearing Cape Maysi, off the eastern end of Cuba, this meteor appeared to enter the sea slightly south of west. Consequently if the distance of the vessel from the meteor be assumed as being 200 miles, when it disappeared it would then have been about  $3\frac{1}{2}$  miles above the sea, owing to the Earth's curvature.

Evidently the meteor travelled by an inclined path towards Cuba. When passing over Jamaica the altitude must have been considerable.

Further reports from the officer of the "Corsair" are expected, when more particulars may be available, so as to aid in computing the height.

J. F. BRENNAN,  
Government Meteorologist.

Kingston,  
February 20th, 1937.

# NEGRIL POINT, JAMAICA.—METEOROLOGICAL RESULTS FOR THE YEAR 1936.

For Elevation, (See Foot Note).

Month.	Barometer Pressure.		TEMPERATURE. (FAH.)										Dewpoint and Relative Humidity.		Rainfall.	
	3 p.m.		Mean.	7 a.m.	3 p.m.	Max.	Min.	Range.	Extremes for Month.		7 a.m.	3 p.m.	Actual fall.	Av. No. of rainy Days.		
	Ins.	Ins.							Max.	Min.					Range.	°
January	29.983	29.924	75.9	71.2	81.2	84.2	68.8	15.4	°	°	68	74	Ins. 3.97	12		
February	.979	.941	76.1	71.3	81.9	83.5	69.6	13.9	°	°	68	73	1.09	2		
March	.944	.903	76.8	72.8	82.3	84.0	70.1	13.9	°	°	70	73	2.42	7		
April	.977	.939	77.8	75.0	82.1	85.0	70.9	14.1	°	°	71	78	6.28	12		
May	.877	.850	79.8	78.0	84.1	86.2	73.0	13.2	°	°	73	75	7.92	12		
June	.880	.873	80.4	79.5	83.8	86.4	74.1	12.3	°	°	75	80	7.84	17		
July	.950	.926	81.0	78.2	85.2	88.6	74.0	14.6	°	°	72	76	3.40	10		
August	.905	.885	81.1	78.0	85.4	89.9	74.0	14.9	°	°	74	77	4.91	12		
September	.903	.877	80.2	76.6	85.0	88.3	73.0	15.3	°	°	73	78	5.71	15		
October	.895	.850	79.8	75.6	85.3	87.8	72.6	15.2	°	°	73	77	7.29	18		
November	.915	.861	79.3	74.9	84.3	87.4	72.4	15.0	°	°	71	86	2.04	12		
December	29.953	29.905	77.0	71.9	83.3	85.6	69.2	16.4	°	°	67	86	2.34	7		
Means	29.928	29.894	78.8	75.2	83.7	86.3	71.8	14.5	°	°	71	87	...	...		
Totals	...	...	...	...	...	...	...	...	...	...	...	...	55.2154	136		

Barometer pressure reduced to Standard of Kew, 32 degrees, gravity at Lat. 45° and Mean Sea Level. The 75th Meridian West of Greenwich, Standard Time used. Altitude of Barometer above Mean Sea Level 33 ft. Height of Thermometer above ground 4 ft. 6 in. Height of Rain Gauge above the ground 6 ft. 6 in. Height of Anemometer above the ground of 94 ft. to the 31st May, 1935, and 22 ft. above ground from 1st June, 1935.



NEGRIL POINT—MEAN RESULTS contd. for year 1936.

Month.	Wind. Miles per diem.	Wind: from and Miles per hour.			Clouds in Tenths.						Weather Conditions etc.	
		7 a.m.	3 p.m.	11 p.m.	Lower.		Middle.		Upper.			
					7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.		
January	126	NE	4.5 Var	9.4 NE	4.0	3.5	2.9	0.4	2.3	2.4	0.4	Clear 2, Cloudy 11, Overcast 6, Rain 12, Distant Thunder 1, Distant Lightning 1, Thunderstorm 1 day, Rainfall twice the average.
February	180	ENE	5.8 Var	12.0 ENE	6.1	2.3	1.0	0.8	2.9	1.3	0.7	Clear 4, Cloudy 19, Overcast 4, Rain 2, Bar. depression on 23rd, light norther 22nd to 28th, Earthquake shock on 12th about 8.20 p.m.
March	157	E	4.3 Var	11.3 E	4.0	2.4	2.8	0.1	3.0	1.4	0.5	Clear 1, Cloudy 20, Overcast 3, Rain 7, Distant thunder 1, Distant lightning 1 day, Rainfall about the average, Light norther throughout.
April	141	ENE	2.9 ENE	10.6 ENE	3.8	1.7	4.1	0.7	3.4	2.4	1.1	Clear 1, Cloudy 13, Overcast 4, Rain 12, Rainfall three times the average.
May	124	ENE	3.2 Var	7.9 ENE	4.4	1.9	3.1	1.5	3.6	3.8	1.4	Clear 1, Cloudy 11, Overcast 7, Rain 12, Distant lightning 4, Distant Lightning and thunder 2, Rainfall about the average
June	181	W	5.8 ESE	10.0 E	5.1	2.3	3.7	1.6	3.5	4.9	2.0	Cloudy 6, Overcast 7, Rain 17, Distant lightning 5, Distant thunder 14, Thunderstorm 6 days, Rainfall above the average, Bar. depression 10th, 13th.
July	137	NE	4.3 ESE	9.5 ENE	4.0	1.6	3.5	0.3	5.0	5.9	0.9	Clear 1, Cloudy 4, Overcast 16, Rain 10, Distant Thunder and Lightning 23, Thunderstorm 4 days, Rainfall below the average.
August	123	NE	4.3 Var	10.3 ENE	2.6	1.0	2.6	0.0	5.8	4.9	0.9	Cloudy 9, Overcast 10, Rain 12, Distant thunder and lightning 31, Thunderstorm 3 days, Rainfall below the average.
September	109	ENE	3.9 Var	9.2 ENE	2.4	0.7	1.6	0.3	6.7	5.2	0.5	Cloudy 12, Overcast 3, rain 15, Distant Thunder and Lightning 28, Thunderstorm 13, Severe Thunderstorm 8th and 19th, Rainfall below average.
October	119	ENE	4.7 ENE	9.6 ENE	3.5	1.3	1.7	0.0	4.9	6.5	1.1	Clear 2, Cloudy 7, Overcast 4, Rain 18, Distant lightning and thunder 24, Thunderstorm 6 days, Rainfall below average.
November	126	NE	4.2 Var	7.9 NE	3.2	2.8	1.6	0.5	5.0	2.7	0.7	Clear 13, Overcast 5, Rain 12, Distant thunder and lightning 9, Thunderstorm 2 days, Rainfall very deficient.
December	119	NE	4.5 Var	7.9 NE	3.2	2.9	1.4	0.3	4.2	1.5	0.7	Clear 3, Cloudy 18, Over cast 3, Rainy 7, Distant lightning and thunder 5 days, Rainfall the average.
Means	137	NE	4.4 E	9.6 ENE	3.9	2.0	2.5	0.5	4.2	3.6	0.9	Rainfall for the year was near to the average with 136 sunny days.

No. 727.



# JAMAICA

## WEATHER REPORT.

### FOR THE MONTH OF FEBRUARY, 1937.

The barometric pressures at all the Stations, except the Hill Gardens, are reduced to the standards of Kew 32°, gravity at Lat. 45° and mean sea-level. The bar. at Hill Gardens is reduced to the first three standards only. Thermometers are exposed in Stevenson's Screen; their readings have been corrected for instrumental errors.

The miles of Wind per diem are measured by Robinson's Anemometers, the factor 3 being assumed correct for the four-cup instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky; the Lower (L) clouds are for the most part fracto-stratus; the Middle (M) clouds cumulus and the Upper (U) clouds, cirrus and cirro-stratus.

The rainfall is measured at 7 a.m., and entered as having fallen on the previous day.

The 75th Meridian Time West of Greenwich adopted from 1st February, 1912.

#### METEOROLOGICAL RESULTS.

STATIONS.	Elevation.	Bar. Pressure		Temperature.					Extreme Temperature.				
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range.	Max.	Date.	Min.	Date.	Range.
	ft.	ins.	ins.	°	°	°	°	°	°	°	°	°	°
Morant Point Light House	8	30.000	29.971	76.8	81.4	82.9	73.0	9.9	84.7	24*	65.0	17	19.7
Kingston	24	29.981	29.927	68.5	82.5	84.5	67.6	16.9	88.1	19	65.4	1	22.7
Negril Point Light House	33	29.991	29.947	69.7	82.1	84.0	67.4	16.6	85.6	9*	64.5	1	21.1
Castleton Gardens	496	30.035	29.951	64.9	79.0	82.4	63.9	18.5	86.0	28	59.0	1	27.0
Hope Gardens†	668	30.035	29.951	66.6	85.9	89.8	64.1	25.7	90.0	1	63.0	1	27.0
Boon Hall	970												
Hill Gardens	4,900	25.275	25.258	59.5	61.3	64.4	52.8	11.6	66.0	2	52.0	3	14.0

STATIONS.	Elevation.	Dewpoint and Rel. Humidity.					Rainfall.	Wind per diem.	Wind: direction from and miles per hour.				Amount of Cloud. Lower, Middle and Upper.					
		7 a.m.			3 p.m.				7 a.m.		3 p.m.		7 a.m.			3 p.m.		
		ft.	°	%	°	%			ins.	Mls.	Dir.	m.p.h.	Dir.	m.p.h.	L.	M.	U.	L.
Morant Point Light House	8	69	78	71	72	0.72	248	ENE	10.0	ENE	10.0	1.8	2.1	0.6	1.2	2.9	0.7	
Kingston	24	64	85	69	64	0.10	169	NE	4.2	SE	13.4	0.5	0.2	0.6	3.2	2.0	0.6	
Negril Point Light House	33	67	91	71	69	1.55	124	NE	3.9	Var.	8.7	0.8	0.8	1.5	1.9	4.8	0.3	
Castleton Gardens	496	63	94	74	84	2.94	..	..	..	..	..	..	..	..	..	..	..	
Hope Gardens	668	62	84	72	62	0.52	..	..	..	..	..	..	..	..	..	..	..	
Boon Hall	970	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Hill Gardens	4,900	57	90	58	91	3.10	..	..	..	..	..	..	..	..	..	..	..	

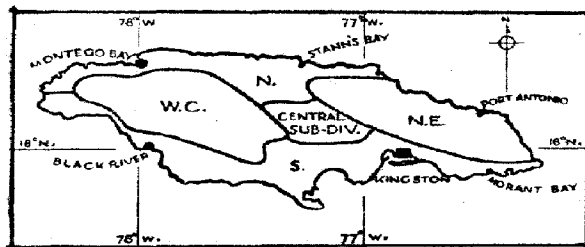
\* And on other days. † Hope Gardens Bar. read at 9 a.m. and 3 p.m.

## THE RAINFALL.

The first four columns contain all the information relating to the Rainfall for the month received for publication up to the time of sending this report to press; the last column contains the corresponding Rainfall average for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1929." In obtaining the mean Rainfall for the month only those stations are considered for which the average Rainfall has been also given in the last column that the results derived from these two columns are comparable for each Division. These results are given in the comparative table at the end of this Rainfall Return so as to arrive at the mean for the whole Island, embracing the four Divisions.

The Northern Division comprises the northern shores from Port Maria to Davis' Cove, including the central part of the Island which forms the Central Sub-divisions; the Southern Division comprises the southern shores from Holland Bay to South Negril; the North-Eastern and West-Central Divisions are the remaining parts of the Island bounded by the sea and the other Divisions.

A Map showing these Rainfall Divisions is published in Mr. Maxwell Hall's "Rainfall of Jamaica," following page 27, 1911 Edition, and of page 33 of 1934 Edition, an outline of which is given below.



February, 1937.

STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
NORTH-EASTERN DIVISION (N.E.)					
Manchioneal	2.92	1.21	7	11	5.07
Priestman's River	0.00			0	4.42
Bath	1.03	0.42	3	5	4.24
Barrett's Gap	2.45	0.83	5	10	
Millbank	5.54	1.14	8	10	
Comfort Castle	7.86	3.20	4	8	
Moore Town	9.99	3.50	3	7	12.67
Port Antonio	2.87	1.05	4	8	5.80
Passley Garden	2.61	0.81	6	9	
Fellowship	8.60	2.40	5	6	9.87
Johnson River Br.	0.73	0.38	5	2	2.33
Trinity Ville	0.60	0.48	5	2	
Fruitful Vale	2.97	0.78	6	7	
Hope Bay	10.01	5.38	7	6	
Cedar Valley	2.07	1.00	4	10	2.54
Moy Hall	1.78	0.58	5	6	2.54
Paradise	7.66	4.78	7	8	
Lennox	11.83	11.13	6	4	
Greenvale	3.47	1.30	4	8	12.12
Darley	5.49	2.73	7	8	
Spring Garden	11.60	11.00	7	3	5.64
Hill Gardens	3.10	0.65	4	9	4.27
Buff Bay	11.05	10.00	7	5	7.54
Buff Bay R. Est.	8.17	5.98	7	7	
Belvedere, Portland	2.97	2.42	7	3	9.61
Windsor Castle, do.	8.22	6.70	7	5	5.59
Balcarras	4.47	2.30	3	4	
Mt. Holstein	3.40	1.76	4	6	8.70
Cedar Hurst	2.59	0.65	4	11	
Hardware Gap	3.12	1.30	26	11	3.99

February, 1937.

STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
NORTH-EASTERN DIVISION, contd.					
Rose Hill	Ins. 0.86	Ins. 0.40	5	3	Ins. 4.48
Mount Cressy				8	
Hermitage	2.44	0.94	26	8	
Mount Airy	3.07	1.07	4	8	
Stony Hill Ind. Sch.	1.69	1.01	6	5	2.32
Boon Hall	1.97	0.60	4	10	
Brandon Hill	1.50	0.80	4	4	
Enfield	2.53	0.83	7	4	
Agualta Vale	10.13	8.22	7	7	5.12
Castleton Gardens	2.94	1.85	4	5	5.31
Water Valley	6.60	5.50	7	7	4.81
Albany	5.29	4.06	7	9	4.62
Lawrence Tavern	1.60	0.92	6	5	2.48
Wey Hill	1.38	0.77	4	5	
Richmond, St. Mary	1.74	0.84	3	8	4.41
Quebec, St. Mary	1.03	0.58	3	3	4.37
Above Rocks	3.90	1.80	26	7	
Glengoffe	1.30	0.60	4	3	
Carew Castle	2.29	0.95	6	6	2.22
Hampstead, St. Mary	6.42	2.80	7	8	6.29
Windsor Castle do.	1.40	0.52	3	6	
Troja	2.10	1.50	4	3	
Pear Tree Grove	1.14	1.09	4	2	
Guy's Hill	1.12	0.50	18	5	3.96
Lucky Hill	3.36	1.90	7	5	4.95
Rio Hoe	1.08	0.55	3	4	3.88
Unity Valley	1.62	0.40	4	8	3.55
Moneague	1.00	0.59	3	5	3.97
Claremont	1.77	0.40	6	8	3.96
Averham Park	1.01	0.48	4	5	4.46
Albion	1.29	0.43	3	4	3.63
NORTHERN DIVISION (N).					
Port Maria	2.93	1.90	7	6	5.00
Wentworth	3.61	2.37	7	5	
Oracabessa	2.00	1.25	7	4	
Huddersfield	2.19	2.04	7	2	
Ocho Rios	3.91	3.40	7	4	3.48
Rockfield	1.62	0.69	7	5	5.22
Liberty Hill	1.50	1.30	7	2	4.46
St. Ann's Bay	3.55	3.33	7	4	4.60
Richmond Estate	2.49	1.97	7	5	4.10
Runaway Bay	1.29	0.95	7	2	2.26
Knapdale	1.23	0.54	4	9	
Alexandria	1.48	0.80	26	3	2.93
Bel-Air	1.35	0.95	7	4	
Brown's Town	1.88	1.16	5	7	4.29
Wilton	0.99	0.52	5	6	
Watt Town, St. Ann	0.75	0.49	17	3	2.90
Home Castle	2.35	2.00	5	3	3.30
Arcadia	0.23	0.10	7	3	2.61
Vale Royal	0.21	0.09	9	5	2.59
Harmony Hall	0.80	0.80	7	1	
Duncans	0.48	0.48	7	1	
Clark's Town	0.26	0.13	21	4	
Falmouth	0.45	0.24	6	3	1.82
The Hague	0.55	0.30	21	2	
Wales					

February, 1937.						February, 1937.					
STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.	STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
NORTHERN DIVISION, contd.						WEST-CENTRAL DIVISION, contd.					
Adelphi	0.00			0		Mereworth	1.29	0.30	26	7	
Barrett Hall	0.11	0.11	3	1		Mandeville	1.61	0.50	27	10	2.68
Success	0.00			0	2.23	Ulster Spring	0.99	0.25	6	7	3.43
Rose Hall	0.62	0.62	5	1	2.36	Greenvale	1.74	0.60	26	6	
Cinnamon Hill	0.60	0.60	5	1	2.54	Albert Town	3.20	1.26	26	7	3.06
Tryall	0.37	0.37	5	1	1.53	Craig Head	1.07	0.60	26	2	
Running Gut	0.31	0.31	5	1	2.17	Warsop	3.12	1.05	6	7	
Spring Estate	0.00			0	2.44	Troy	2.60	1.50	26	5	3.09
Friendship					2.27	Wallingford	9.05	2.38	26	12	3.43
Retirement					1.99	Balaclava	5.97	1.71	5	9	2.50
Rose Mount	0.32	0.20	13	5		Braes River	4.37	1.41	20	10	
Montego Bay	0.33	0.23	13	3	1.83	Wakefield	1.05	0.50	21	4	
Anchovy	1.55	0.67	27	3	1.41	Aberdeen	6.20	1.04	13	14	
Hopewell	1.25	0.65	27	4		Accompong	5.84	1.40	28	17	
Blue Hole	1.45	0.76	27	6	3.79	Maggotty	4.65	1.45	4	9	3.45
Cascade	6.56	2.31	27	9		Lacovia	6.30	3.38	6	7	
Lucea	1.65	0.84	5	9	3.36	Mulgrave	7.76	2.40	26	16	
Haughton Court	1.56	0.90	5	5	2.13	Holland	5.89	2.90	6	9	
Kendal—Hanover	2.04	0.75	6	9		Ipswich	7.18	1.74	6	15	
Cousins Cove	1.09	0.45	4	14		Ginger Hill	6.23	1.32	6	12	
Green River	4.29	1.40	27	7		Kempshot	1.53	0.72	12	6	2.71
Green Island	1.66	0.53	13	8	2.12	Moocho, St. James	5.04	1.70	21	8	
Haughton Hall	1.37	0.37	8	12		Bandon Pen	4.57	1.55	27	5	
CENTRAL SUB-DIVISION						Catadupa	7.07	2.50	27	9	3.11
Knollis	2.31	1.08	5	6		Cambridge	4.51	2.98	27	5	3.23
Highgate (St. Cath.)	2.51	0.63	27	10		New Market	6.06	1.79	4	9	4.05
Rio Magno	1.90	1.50	4	2		Kew Park	4.83	1.70	26	9	2.84
Riversdale	0.50	0.50	4	1		The Bog	4.86	1.15	27	11	4.05
Headworks, R.C.C.	0.85	0.37	5	3	1.64	Bethel Town Dist.	6.02	2.42	27	11	4.02
Bog Walk	2.04	1.24	5	5		Burnt Ground	2.83	0.98	13	11	2.67
Linstead	4.68	1.03	6	5	2.17	Haughton Grove					2.92
Ewarton	1.58	0.95	6	2		Darliston	6.84	1.94	27	10	3.62
Cave Valley	1.53	0.60	18	3	2.14	Bluefields	4.76	1.14	6	13	3.73
Guanaboa Vale	1.20	0.64	6	4		Whithorn	4.29	1.07	6	8	3.03
Point Hill	3.56	1.56	5	6	3.37	Water Works Pen	5.50	2.40	27	9	3.20
Brown's Hall	2.02	1.00	27	4	2.18	Williamsfield, Wld.	4.32	1.45	27	8	
Bellas Gate	1.31	0.92	27	4	1.67	Baulk	3.72	1.50	27	9	
Rock River	1.20	1.20	27	1		Askenish					3.06
Crofts Hill	3.41	1.53	27	6	1.47	Grange Hill	2.75	1.50	27	11	2.75
Far Enough	3.33	1.77	5	9		Mount Eagle	2.69	0.93	27	9	
Suttons	2.26	1.61	27	5		King's Vale	0.85	0.35	6	6	2.62
Colonel's Ridge	2.33	1.38	5	6		SOUTHERN DIVISION (S.)					
Chapeltor	1.19	0.87	27	7	1.58	Morant Point L.H.	0.72	0.23	7	5	2.73
Crooked River	2.33	0.86	5	6		Golden Grove	0.91	0.46	14	3	
James Hill	0.84	0.23	4	8		Pleasant Hill	1.43	0.40	14	11	2.53
Frankfield	2.74	1.26	27	5	2.29	East Prospect	0.68	0.19	7	10	2.52
WEST-CENTRAL DIVISIONS (W.C.)						Morant Bay	0.27	0.08	27	7	1.95
Moocho, Clarendon	2.29	0.84	7	5	1.66	Aeolus Valley	0.78	0.44	5	4	
Smithville	3.55	1.50	27	6		Yallahs					
Clarendon, Park	1.09	0.49	4	5		Easington	0.67	0.56	5	2	1.36
Porus	0.96	0.63	27	4		Llandewey	0.40	0.21	6	3	
Borobridge	1.94	0.99	27	5		Mavis Bank	1.32	0.69	26	6	
Spaldings	3.37	0.86	27	11	2.83	Mavis Bank Factory					
Williamsfield	1.64	0.73	27	7		Bull Bay	0.00			0	0.42
Brokenhurst	0.58	0.26	5	3	2.47	Dallas Castle	2.69	2.49	26	5	
Shooters Hill	1.91	0.50	27	8	2.18	Gordon Town	1.21	0.61	6	3	1.77
Wait-a-bit	2.20	0.59	3	9		Irish Town	1.80	0.90	26	3	1.65
Christiana	3.10	1.04	26	7	2.62	Hope Gardens	0.52	0.38	6	4	1.26
Holmwood	2.50	0.65	15	10		Waireka					
Clifton Hill					2.68	Ivor					
Kendal, Manchester	2.75	0.72	26	6	2.49	Barbican	2.25	1.82	7	4	
						Plumb Point L. H.	0.05	0.05	14	1	1.65

STATIONS.	February, 1937.					STATIONS.	February, 1937.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
SOUTHERN DIVISION, <i>contd.</i>	Ins.	Ins.			Ins.	SOUTHERN DIVISION, <i>contd.</i>	Ins.	Ins.			Ins.
King's House Gar.	0.50	0.30	26	2	1.22	Hog Hole, S. Man.					3.02
Up Park Camp	0.38	0.15	27	6		Stone's Hope	0.90	0.44	4	5	2.15
Cavaliers	0.21	0.15	26	3		Newport, Man.	0.62	0.37	4	4	2.55
St. Georges College	0.33	0.22	26	4		Alligator Pond	0.28	0.22	17	2	1.33
Upper Kingston	0.27	0.16	26	4	0.89	Fairfield	1.63	0.62	11	16	2.45
Parade Garden	0.18	0.13	26	2		Pepper					
Kingston P.W.O.	0.10	0.06	26	2	0.61	Myersville	3.44	1.30	6	7	
Constant Spring	1.14	0.55	6	6		Goshen	6.32	2.23	26	7	
Halfway Tree	0.54	0.23	26	6	0.85	Southfield, St. Eliz.	0.32	0.19	11	2	2.59
Clifton Pen	0.15	0.15	27	1	0.64	Windsor, St. Eliz.	3.10	0.89	6	11	
Seaward Pen	0.29	0.25	26	2		Torrington	1.24	0.46	12	3	2.45
Red Hills	1.82	0.84	6	7		Santa Cruz	6.72	2.66	6	9	2.47
Quarantine Station	0.00			0	0.44	Hounslow	1.21	0.50	5	5	
Hematine	0.86	0.71	4	2	1.43	Pedro Plains	0.46	0.46	14	1	1.38
Spanish Town	1.09	0.90	4	2	1.33	Mountainside	2.85	0.80	20	7	2.27
The Stewartry						Fort Charles	1.07	0.70	14	3	
Hog Hole, St. Cath.	1.15	0.48	5	3	1.72	Black River	2.28	1.39	6	9	1.70
Clairmont						Mt. Charles	3.14	1.60	6	8	
Old Harbour	0.50	0.50	4	1	1.77	Font Hill	3.50	1.95	6	6	1.84
May Pen	1.52	0.78	4	6	1.77	Mount Edgecombe	3.54	0.78	26	11	2.47
Glen Muir	1.25	0.75	11	2		Sweet River					2.62
Cottage	0.81	0.71	5	3		Sav.-la-Mar	4.72	1.00	28	10	2.08
Belle Plain	2.12	0.60	4	7		Little London	5.60	1.50	6	11	3.12
Milk River	1.06	0.40	4	4	1.20	Retreat	1.64	0.37	13	7	2.71
Retrieve	0.28	0.28	4	1	1.76	Negril Point L.H.	1.55	0.62	28	8	1.86

NOTES.

COMPARATIVE TABLE OF RAINFALL  
AND RAINY DAYS.

DIVISIONAL AND ISLAND RAINFALL.	February.			
	Rainfall.		Rainy Days.	
	1937.	Ave.	1937.	Ave.
	Ins.	Ins.		
North-Eastern.	3.60	5.48	6	10
Northern	1.60	2.48	4	6
West-Central	3.92	2.84	8	7
Southern	1.36	1.72	5	6
The Island means	2.62	3.13	6	7

SHOCKS OF EARTHQUAKE IN FEBRUARY, 1937.

Date.	Standard Time. (Approx.)	Intensity.	Notes, where, etc.
			None reported.

N.B.—IT IS PARTICULARLY REQUESTED THAT ALL RAINFALL POST CARDS BE SENT IN NOT LATER THAN THE 5TH OF EACH MONTH.

# THE ISLAND—FEBRUARY.

The mean rainfall for the Island was below the average in all Divisions except the West-Central.

The greatest total fall for the month was 11.83 inches at Lennox in the North-Eastern Division, and the heaviest fall in 24 hours was 11.13 inches at the same station on the 6th.

No rain fell at Priestman's River, Adelphi, Success, Spring Estate, Bull Bay and Quarantine Station.

The mean number of rainy days was 6, which is 1 less than the average for the month. Accompong in the West-Central Division had most rainy days—17.

The mean rainfall in each parish is given below compared with the 10-year average. All the parishes, except Hanover, Westmoreland and St. Elizabeth were below the average. Portland, with 6.10 inches, was highest; St. Elizabeth, with 4.38 inches, was second; and Westmoreland, with 4.23 inches, was third. Kingston, with 0.19 inch, was lowest.

Parish.	1937.	10-year Average.	Parish.	1937.	10-year Average.
	Inches.	Inches.		Inches.	Inches.
Kingston ..	0.19	0.61	St. James ..	1.75	2.20
St. Andrew ..	1.52	2.51	Hanover ..	2.22	1.93
St. Thomas ..	1.04	2.70	Westmoreland	4.23	2.90
Portland ..	6.10	7.77	St. Elizabeth	4.38	3.31
St. Mary ..	3.57	4.93	Manchester	1.43	3.01
St. Ann ..	1.68	3.45	Clarendon	2.03	2.26
Trelawny ..	1.32	2.76	St. Catherine	1.60	2.57

## CITY OF KINGSTON.

The total rainfall for the month of February was only 0.10 of an inch, as compared to the 60-year average of 0.61 inch, being one-sixth of the normal. The greatest fall in 24 hours was 0.06 of an inch on the 26th. There were two rainy days, as compared to the average of four. The upper boundary of Kingston gauged 0.77 inch, with four rainy days.

Distant rain observed to the northward on 5 days and to the north-eastward on 3 days.

The mean barometric pressure was 29.968 inches, as compared to the 33-year normal of 29.981 ins., shewing 0.013 inch below the normal. Highest barometer reading 30.021 ins. on the 4th at 3 p.m., and the lowest was 29.922 inches on the 28th at 7 a.m., corrected for diurnal variation.

The mean monthly temperature, based upon four observations per day, was 75.3°; the 33-year normal being 75.7°, shewing 0.4° below the average. The highest maximum temperature was 88.1° on the 19th, and the lowest minimum was 65.4° on the 1st. On the other hand the lowest maximum was 82.0° on the 17th, and the highest minimum was 69.9° on the 9th. The greatest daily range of temperature was 21.9° on the 20th, and the least was 13.8° on the 4th. The monthly extreme range was 22.7°. The maximum was below 90° throughout, and the minimum was below 70° throughout.

The mean daily miles of wind registered was 169, the normal for 25 years being 174. The greatest number of miles of wind recorded in 24 hours was 307 on the 9th, and the least was 111 miles on the 3rd. South-easterly wind continued after 7 p.m. on 16 occasions. The highest hourly velocity was 34 m.p.h. on the 27th at about 3.10 p.m.

The mean relative humidity was 78%; the 33-year normal being also 78%. The lowest 7 a.m. was 79% on the 13th and 20th and the lowest 3 p.m. was 47% on the 19th.

The sky was overcast in the early morning on two occasions, and in the afternoon on fourteen.

Total amount of evaporation for the month of February was 4.20 inches; the 10-year normal being 4.90 ins.

The mean daily number of sunshine hours was 7.6.

## MORANT POINT LIGHT HOUSE.

A table giving the Meteorological Results for the Station at Morant Point Light House (situated at the extreme eastern end of the Island), for the year 1936, is appended. The extreme maximum temperature was 90.7° on the 23rd of August, and the extreme minimum was 63.4° on the 12th of February. The extreme range for the year was, therefore 27.3°. The greatest monthly range was 22.5° in March, and the least was 14.5° in July. The greatest monthly rainfall was 14.74 inches in June, and the least was 0.75 inch in February. There were 192 rainy days for the year. June had the greatest with 28 days and the month of March had the least with 8 rainy days. The total rainfall for the year was 66.33 inches; the mean for 60 years being 66.67 inches, or practically the same amount. The months of April, June, August and October gauged totals in excess of their 60-year normals. The remainder of the months were deficient. Then, for the twelve months, there being 192 rainy days, there was an average of 0.35 of an inch per rainy day. The mean daily total miles of wind was 258. July recorded the greatest with 342 miles, and September the least with 213.

The observations were conducted by Mr. Chas. Durrant, the Superintendent of the Light House.

## CAYMAN ISLANDS.

	Total	Greatest fall in 24 hrs.	Date.	No. of Rainy Days.
	(ins.)	(ins.)		
Rainfall for January, 1937 ..	10.44	3.20	8th	10
Do. February, 1937 ..	1.12	1.00	26th	8

J. F. BRENNAN,  
Government Meteorologist.

Kingston, March, 1937.

MORANT POINT, JAMAICA.—METEOROLOGICAL RESULTS FOR THE YEAR 1938.

FOR ELEVATION, &c. (See Foot Note).

Month.	Barometer Pressure.		TEMPERATURE (FAH.)								Dewpoint and Relative Humidity.		Rain-fall.	Rainy Days.	
	7 a.m.	3 p.m.	Mean.	7 a.m.	3 p.m.	Max.	Min.	Range.	Extremes for Month.		7 a.m.	3 p.m.			
									Max.	Min.					Range.
January	Ins. 29.984	Ins. 29.948	78.5	77.6	80.9	82.5	75.1	7.4	83.8	68.8	15.0	72	% 82	Ins. 2.14	10
February	.991	.961	77.5	75.4	81.0	82.9	72.6	10.3	85.7	63.4	22.3	69	81	0.75	10
March	.962	.924	79.0	77.6	82.1	84.2	74.1	10.1	86.5	64.0	22.5	71	72	1.12	8
April	.995	.964	80.3	79.4	82.7	85.2	76.1	9.1	87.1	69.6	17.5	72	81	5.73	13
May	.897	.863	81.6	81.0	84.1	86.3	77.1	9.2	89.0	70.6	18.4	75	81	3.78	13
June	.915	.894	81.6	81.6	83.3	86.3	77.1	9.2	88.5	73.6	14.9	77	85	14.74	28
July	.975	.955	83.5	82.8	85.6	87.6	79.9	7.7	89.6	75.1	14.5	77	81	1.75	14
August	.924	.901	83.5	82.8	86.2	88.2	78.9	9.3	90.7	71.7	19.0	77	82	9.86	16
September	.919	.889	83.5	82.6	86.6	88.8	77.9	10.9	90.3	71.3	19.0	77	80	4.25	20
October	.916	.876	81.6	81.0	84.2	86.5	76.9	9.6	88.6	69.0	19.6	72	75	11.70	21
November	.932	.890	80.9	80.2	83.2	85.1	77.1	8.0	87.1	69.1	18.0	74	83	5.43	19
December	29.962	29.926	78.8	77.9	81.8	83.4	74.1	9.3	85.7	66.4	19.3	71	80	5.08	20
Means	29.948	29.916	80.9	80.0	83.5	85.6	76.4	9.2	87.7	69.4	18.3	74	80	..	..
Totals	..	..	..	..	..	..	..	..	..	..	..	..	..	66.33	192

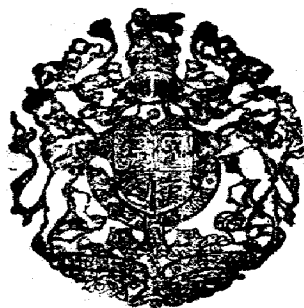
Barometer pressure reduced to Standard of Kew, 32', gravity at Lat. 45° and Mean Sea Level. The 75th Meridian West of Greenwich, Standard Time used. Altitude of Barometer above Mean Sea Level 8 ft. Height of Thermometer above ground 4 ft. 6 in. Height of Rain Gauge above the ground 3 ft. Height of Anemometer above the ground 18 ft.

MOHANT POINT, 1936.—MEAN RESULTS contd.

Month.	Wind. Miles per diem.	Wind: from and Miles per hour.		Clouds: in Tenths.						Weather Conditions, etc
				Lower.		Middle.		Upper.		
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	
January	308	NE 16	NE 12	4.2	0.8	1.9	2.8	0.3	1.2	Overcast 6 days.
February	279	ENE 13	ENE 13	2.7	1.6	2.0	2.0	0.3	0.3	Overcast 5 days, Clear blue sky 3 days. N. E. Gale on 2nd. Norther shifting to N.E. 23rd and 24th.
March	210	ENE 9	ENE 8	3.1	1.4	1.9	2.7	0.5	0.5	Overcast 3 days. Clear blue sky 2 days.
April	269	NE 13	ENE 14	3.2	1.5	2.2	2.1	1.2	1.4	Overcast 7 days. Clear blue sky 1 day.
May	232	NNE 10	NE 9	2.6	1.1	1.9	3.2	1.4	1.5	Overcast 4 days. Distant lightning 28th and 31st.
June	282	E 15	E 11	3.1	3.4	1.9	2.4	2.5	3.2	Overcast 11 days. Thunderstorm 4 days.
July	342	E 17	ENE 15	1.3	1.4	2.4	2.8	1.9	2.1	Thunderstorm 1 day. Squall on 17th.
August	235	ENE 12	ENE 9	2.3	2.1	2.0	2.2	1.5	1.3	Overcast 4 days. Thunderstorm 4 days.
September	213	ENE 10	ENE 8	1.5	0.7	2.7	2.6	1.5	2.1	Overcast 1 day. Thunderstorm 1 day.
October	218	NNE 10	ENE 9	2.2	1.9	1.9	1.6	2.0	2.0	Overcast 7 days. Thunderstorm 2 days.
November	244	NNE 12	NNE 11	1.4	1.9	2.9	2.8	1.1	1.2	Overcast 4 days.N.E. Gale on 2nd. Norther 17th and 28th.
December	223	NE 11	NNE 10	4.0	0.8	1.5	3.6	0.5	0.4	Overcast 7 days.
Means	258	ENE 12	ENE 11	2.6	1.6	2.1	2.6	1.1	1.4	Overcast 59 days. Clear blue sky 6 days. Thunderstorm 12 days.



No. 728.



JAMAICA  
**WEATHER REPORT.**  
FOR THE MONTH OF  
MARCH, 1937.

The barometric pressures at all the Stations, except the Hill Gardens, are reduced to the standards of Kew 32°, gravity at Lat. 45° and mean sea-level. The bar. at Hill Gardens is reduced to the first three standards only. Thermometers are exposed in Stevenson's Screen; their readings have been corrected for instrumental errors.

The miles of Wind per diem are measured by Robinson's Anemometers, the factor 3 being assumed correct for the four-cup instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky; the Lower (L) clouds are for the most part fracto-stratus; the Middle (M) clouds cumulus and the Upper (U) clouds, cirrus and cirro-stratus.

The rainfall is measured at 7 a.m., and entered as having fallen on the previous day.

The 75th Meridian Time West of Greenwich adopted from 1st February, 1912.

METEOROLOGICAL RESULTS.

STATIONS.	Elevation.	Bar. Pressure		Temperature.					Extreme Temperature.			
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range.	Max.	Date.	Min.	Date.
	ft.	ins.	ins.	°	°	°	°	°	°	°	°	°
Morant Point Light House	8	29.958	29.923	77.0	82.9	84.9	74.1	10.8	87.7	31	65.2	7
Kingston	24	29.939	29.881	70.7	83.9	85.5	69.0	16.5	89.4	2	66.2	9
Negril Point Light House	33	29.944	29.899	71.8	22.6	84.3	69.5	14.8	87.3	3	65.9	7
Castleton Gardens	496			65.1	79.9	85.3	64.1	21.2	88.0	19	61.0	7
Hope Gardens†	668	30.006	29.901	68.4	86.3	89.4	65.5	23.9	91.0	18	64.0	1
Boon Hall	970											
Hill Gardens	4,900	25.258	25.249	61.4	63.0	65.1	54.0	11.1	70.0	31	53.0	1

STATIONS.	Elevation.	Dewpoint and Rel. Humidity.				Rainfall.	Wind per diem.	Wind: direction from and miles per hour.				Amount of Cloud. Lower, Middle and Upper.					
		7 a.m.		3 p.m.				7 a.m.		3 p.m.		7 a.m.			3 p.m.		
	ft.	°	%	°	%	ins.	Mls.	Dir.	m.p.h.	Dir.	m.p.h.	L.	M.	U.	L.	M.	U.
Morant Point Light House	8	71	82	73	71	1.05	207	E	9.0	E	8.0	2.5	1.7	0.3	0.7	2.3	0.5
Kingston	24	65	81	70	63	0.01	190	N	3.8	SE	16.2	0.8	0.6	0.2	2.4	3.2	0.1
Negril Point Light House	33	69	91	71	67	3.01	135	ENE	3.6	Var.	9.8	1.4	1.5	1.9	3.3	3.6	1.0
Castleton Gardens	496	63	95	74	83	2.14	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	63	83	72	62	1.08	..	..	..	..	..	..	..	..	..	..	..
Boon Hall	970	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens	4,900	58	87	61	91	1.37	..	..	..	..	..	..	..	..	..	..	..

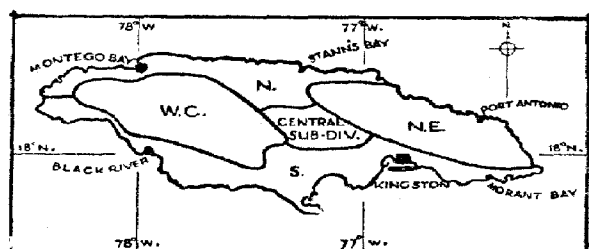
\* And on other days. † Hope Gardens Bar. read at 9 a.m. and 3 p.m.

## THE RAINFALL.

The first four columns contain all the information relating to the Rainfall for the month received for publication up to the time of sending this report to press; the last column contains the corresponding Rainfall average for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1929." In obtaining the mean Rainfall for the month only those stations are considered for which the average Rainfall has been also given in the last columns that the results derived from these two columns are comparable for each Division. These results are given in the comparative table at the end of this Rainfall Return so as to arrive at the mean for the whole Island, embracing the four Divisions.

The Northern Division comprises the northern shores from Port Maria to Davis' Cove, including the central part of the Island which forms the Central Sub-divisions; the Southern Division comprises the southern shores from Holland Bay to South Negril; the North-Eastern and West-Central Divisions are the remaining parts of the Island bounded by the sea and the other Divisions.

A Map showing these Rainfall Divisions is published in Mr. Maxwell Hall's "Rainfall of Jamaica," following page 27, 1911 Edition, and of page 33 of 1934 Edition, an outline of which is given below.



March, 1937.

# THE RAINFALL.

March, 1937.

THE first four columns contain all the information relating to the Rainfall for the month received for publication up to the time of sending this report to press; the last column contains the corresponding Rainfall average for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1929." In obtaining the mean Rainfall for the month only those stations are considered for which the average Rainfall has been also given in the last columns that the results derived from these two columns are comparable for each Division. These results are given in the comparative table at the end of this Rainfall Return so as to arrive at the mean for the whole Island, embracing the four Divisions.

The Northern Division comprises the northern shores from Port Maria to Davis' Cove, including the central part of the Island which forms the Central Sub-divisions; the Southern Division comprises the southern shores from Holland Bay to South Negril; the North-Eastern and West-Central Divisions are the remaining parts of the Island bounded by the sea and the other Divisions.

A Map showing these Rainfall Divisions is published in Mr. Maxwell Hall's "Rainfall of Jamaica," following page 27, 1911 Edition, and of page 33 of 1934 Edition, an outline of which is given below.

March, 1937.

STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
<b>NORTH-EASTERN DIVISION (N.E.)</b>					
Manchieneal	3.64	1.01	4	10	3.08
Priestman's River	0.00			0	4.2
Bath	1.44	0.60	31	5	4.29
Barrett's Gap	1.53	0.48	22	6	
Millbank	3.19	1.03	4	10	
Comfort Castle	4.16	1.66	14	8	
Moore Town	4.09	1.05	23	9	9.97
Port Antonio	1.18	0.78	7	4	4.74
Passley Garden	2.67	1.44	15	7	
Fellowship	1.95	1.55	21	3	7.25
Johnson River Br.	1.14	0.28	16	6	2.76
Trinity Ville	0.90	0.70	13	2	
Fruitful Vale	5.23	1.72	14	9	
Hope Bay	1.18	0.72	5	4	
Cedar Valley	0.89	0.30	13	5	3.00
Moy Hall	0.95	0.42	23	6	3.00
Paradise	2.67	0.84	15	9	
Lennox	2.09	0.62	5	5	
Greenvale	2.26	0.82	12	6	10.12
Darley	3.29	2.18	15	8	
Spring Garden	1.66	0.90	16	4	5.81
Hill Gardens	1.37	0.50	14	5	4.55
Buff Bay	3.05	1.55	15	6	5.35
Buff Bay R. Est.	3.71	2.08	15	7	
Belvedere, Portland	3.99	1.50	11	3	6.53
Windsor Castle, do.	2.98	1.30	12	4	5.49
Balcarras	2.03	0.85	3	6	
Mt. Holstein	1.61	0.60	3	8	7.00
Cedar Hurst	1.37	0.42	14	12	
Hardware Gap	3.29	1.37	13	11	4.07

## STATIONS.

### NORTH-EASTERN DIVISION, contd.

	Total Fall.	Amount.	Date.	Days on which 0.01 or more fell.	Average.
Rose Hill	1.41	0.44	14	7	4.53
Mount Cressy	2.25	0.70	14	8	
Hermitage	2.37	0.50	16	9	
Mount Airy	1.43	0.55	23	7	2.97
Stony Hill Ind. Sch.	2.60	1.02	16	11	
Boon Hall	0.20	0.20	14	1	
Brandon Hill	4.17	3.25	12	7	
Enfield	4.05	3.77	12	4	4.43
Agualta Vale	2.14	0.84	14	9	4.73
Castleton Gardens	2.72	2.32	12	4	4.29
Water Valley	2.10	1.89	12	6	3.87
Albany	1.04	0.50	13	5	2.75
Lawrence Tavern	1.81	0.73	12	8	3.71
Wey Hill	6.00	4.70	12	5	2.91
Richmond, St. Mary	3.66	1.28	6	8	
Quebec, St. Mary	3.66	1.28	6	8	
Above Rocks	2.14	1.00	17	3	
Glengoffe	4.24	1.93	14	9	3.02
Carew Castle	6.54	2.75	12	9	4.72
Hampstead, St. Mary	3.05	1.06	13	8	
Windsor Castle do.	2.18	0.80	8	4	
Troja	2.84	1.19	13	4	
Pear Tree Grove	2.78	1.00	13	7	3.14
Guy's Hill	2.39	1.33	12	5	3.14
Lucky Hill	5.48	1.72	12	9	3.62
Rio Hoe	7.22	2.54	13	13	3.64
Unity Valley	6.17	2.24	12	5	3.40
Moneague	4.05	2.30	12	9	3.17
Claremont	3.54	1.52	12	6	3.72
Averham Park	4.93	2.43	12	8	3.50
Albion					

### NORTHERN DIVISION (N.).

Port Maria	2.55	2.10	12	4	3.06
Wentworth	2.80	2.45	12	4	
Oracabessa	2.65	2.35	12	3	
Huddersfield	2.05	1.10	13	3	
Ocho Rios	4.42	1.75	27	6	2.50
Rockfield	3.81	1.83	15	7	3.41
Liberty Hill	2.60	1.80	12	2	3.67
St. Ann's Bay	2.85	1.57	15	4	2.94
Richmond Estate	3.47	1.28	28	4	2.71
Runaway Bay	1.32	1.05	12	3	1.45
Knapdale	2.83	1.00	15	8	
Alexandria	4.58	1.80	17	6	1.91
Bel-Air	3.35	1.95	12	5	
Brown's Town	1.58	0.54	15	10	3.05
Wilton	1.83	0.61	12	7	
Watt Town, St. Ann	3.07	1.95	16	4	2.28
Home Castle					2.64
Arcadia	1.61	0.75	17	6	2.05
Vale Royal	2.51	0.93	17	7	2.32
Harmony Hall	2.67	1.75	18	5	2.04
Duncans	1.28	0.56	18	4	
Clark's Town	1.18	0.56	17	4	
Falmouth	0.59	0.22	2	3	1.71
The Hague	1.39	0.53	15	4	
Wales	2.75	1.50	15	2	

March, 1937.

STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
NORTH-EASTERN DIVISION (N.E.)					
Manchioneal	3.64	1.01	4	10	3.08
Priestman's River	0.00			0	4.2
Bath	1.44	0.60	31	5	4.29
Barrett's Gap	1.53	0.48	22	6	
Millbank	3.19	1.03	4	10	
Comfort Castle	4.16	1.66	14	8	
Moore Town	4.09	1.05	23	9	9.97
Port Antonio	1.18	0.78	7	4	4.74
Passley Garden	2.67	1.44	15	7	
Fellowship	1.95	1.55	21	3	7.25
Johnson River Br.	1.14	0.28	16	6	2.76
Trinity Ville	0.90	0.70	13	2	
Fruitful Vale	5.23	1.72	14	9	
Hope Bay	1.18	0.72	5	4	
Cedar Valley	0.89	0.30	13	5	3.00
Moy Hall	0.95	0.42	23	6	3.00
Paradise	2.67	0.84	15	9	
Lennox	2.09	0.62	5	5	
Greenvale	2.26	0.82	12	6	10.12
Darley	3.29	2.18	15	8	
Spring Garden	1.66	0.90	16	4	5.81
Hill Gardens	1.37	0.50	14	5	4.55
Buff Bay	3.05	1.55	15	6	5.35
Buff Bay R. Est.	3.71	2.08	15	7	
Belvedere, Portland	3.99	1.50	11	3	6.53
Windsor Castle, do.	2.98	1.30	12	4	5.49
Balcarras	2.03	0.85	3	6	
Mt. Holstein	1.61	0.60	3	8	7.00
Cedar Hurst	1.37	0.42	14	12	
Hardware Gap	3.29	1.37	13	11	4.07

STATIONS.	March, 1937.					STATIONS.	March, 1937.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
NORTHERN DIVISION, contd.						WEST-CENTRAL DIVISION, contd.					
Adelphi	1.64	1.36	18	3	..	Mereworth	5.14	2.57	13	11	..
Barrett Hall	..	..	..	..	..	Mandeville	4.07	1.31	13	10	4.18
Success	..	..	..	..	1.74	Ulster Spring	5.73	2.50	18	11	4.09
Rose Hall	..	..	..	..	1.64	Greenvale	6.65	2.68	16	8	..
Cinnamon Hill	..	..	..	..	1.69	Albert Town	5.75	1.48	17	12	4.05
Tryall	..	..	..	..	1.60	Craig Head	18.97	2.62	18	17	..
Running Gut	..	..	..	..	1.55	Warsop	6.42	1.60	3	11	..
Spring Estate	..	..	..	..	1.52	Troy	7.82	1.30	29	13	5.88
Friendship	1.97	0.95	28	9	2.43	Wallingford	15.23	2.47	12	16	4.70
Retirement	2.32	1.02	28	6	3.02	Balaclava	8.43	1.81	23	14	4.47
Rose Mount	1.70	0.68	17	6	..	Braes River	13.36	3.59	23	13	..
Montego Bay	1.65	0.75	28	3	1.65	Wakefield	2.30	1.70	28	3	..
Anchovy	0.42	0.17	15	5	2.13	Aberdeen	10.10	1.52	13	14	..
Hopewell	1.43	0.30	2	8	..	Accompong	9.25	2.00	22	16	..
Blue Hole	0.80	0.50	11	4	3.01	Maggotty	8.28	2.72	13	14	5.93
Cascade	3.83	1.30	11	10	..	Lacovia	5.12	2.49	23	9	..
Lucea	5.92	2.90	11	6	2.37	Mulgrave	9.18	2.69	21	17	..
Haughton Court	..	..	..	..	2.22	Holland	7.59	3.38	17	11	..
Kendal—Hanover	2.51	0.60	25	12	..	Ipswich	7.15	1.60	21	13	..
Cousins Cove	3.16	1.46	11	9	..	Ginger Hill	5.24	2.10	21	13	..
Green River	1.13	0.34	10	6	..	Kempshot	1.05	0.36	17	9	3.11
Green Island	1.24	0.55	10	5	3.29	Mochó, St. James	7.42	2.20	17	11	..
Haughton Hall	0.90	0.38	24	8	..	Bandon Pen	2.91	0.98	16	6	..
CENTRAL SUB-DIVISION						Catadupa	3.46	1.03	17	13	4.11
Knollis	4.91	1.72	14	6	..	Cambridge	2.84	0.69	11	8	4.77
Highgate (St. Cath.)	3.05	0.67	14	14	..	New Market	2.69	0.60	20	8	5.53
Rio Magno	3.65	1.75	12	7	..	Kew Park	1.55	0.50	11	10	4.42
Riversdale	3.70	1.87	14	2	..	The Bog	3.40	1.01	21	11	6.34
Headworks, R.C.C.	2.47	2.13	14	4	2.90	Bethel Town Dist.	1.70	0.55	11	13	4.69
Bog Walk	4.25	1.76	14	5	..	Burnt Ground	2.33	1.12	11	8	4.53
Linstead	6.20	3.01	14	4	3.08	Haughton Grove	..	..	..	..	6.98
Ewarton	2.62	1.42	13	2	..	Darliston	4.35	1.06	21	11	6.13
Cave Valley	5.23	1.50	14	6	2.70	Bluefields	5.20	2.58	21	12	6.93
Guanaboa Vale	2.55	1.35	14	5	..	Whithorn	2.47	0.75	21	9	4.83
Point Hill	6.67	2.37	13	8	4.66	Water Works Pen	3.81	1.30	9	12	5.22
Brown's Hall	1.85	0.41	13	6	4.35	Williamsfield, Wld.	6.33	1.80	14	11	..
Bellas Gate	2.66	0.48	13	7	2.50	Baulk	..	..	..	..	..
Rock River	1.94	0.97	23	3	..	Askenish	3.00	2.10	10	3	4.08
Crofts Hill	9.25	4.19	13	6	2.80	Grange Hill	4.37	1.50	4	14	5.22
Far Enough	9.21	3.14	6	8	..	Mount Eagle	3.06	1.05	4	10	..
Suttons	3.13	1.31	14	5	..	King's Vale	0.73	0.25	24	6	4.24
Colonel's Ridge	4.62	2.64	16	9	..	SOUTHERN DIVISION (S.)					
Chapelton	3.83	1.73	14	6	2.60	Morant Point L.H.	1.05	0.78	16	7	2.26
Crooked River	2.89	1.43	16	8	..	Golden Grove	2.86	1.94	15	7	..
James Hill	4.25	2.41	17	7	..	Pleasant Hill	3.38	2.24	15	7	3.39
Frankfield	2.18	0.86	16	6	2.14	East Prospect	1.98	0.92	15	10	2.96
WEST-CENTRAL DIVISIONS (W.C.)						Morant Bay	0.97	0.32	21	11	1.96
Mochó, Clarendon	3.31	1.37	14	4	3.22	Aeolus Valley	0.93	0.28	20	4	..
Smithville	2.13	0.70	16	9	..	Yallahs	1.00	1.00	22	1	..
Clarendon, Park	2.58	1.55	13	9	..	Easington	0.87	0.35	8	5	1.39
Porus	5.22	3.80	13	4	..	Llandewey	0.80	0.64	7	2	..
Borobridge	4.50	1.50	6	5	..	Mavis Bank	1.93	0.58	16	9	..
Spaldings	4.83	1.18	16	10	2.66	Mavis Bank Factory	..	..	..	..	..
Williamsfield	3.20	0.56	17	9	..	Bull Bay	0.56	0.48	13	2	0.41
Brokenhurst	4.89	2.75	13	6	3.05	Dallas Castle	1.18	0.64	6	2	..
Shooters Hill	5.92	1.20	12	10	3.02	Gordon Town	2.24	1.29	13	6	1.70
Wait-a-bit	14.58	2.59	29	11	..	Irish Town	1.24	0.65	13	5	1.98
Christiana	5.29	1.60	13	8	1.23	Hope Gardens	1.08	0.45	20	8	2.01
Holmwood	5.77	1.31	6	12	..	Waireka	..	..	..	..	..
Clifton Hill	..	..	..	..	2.52	Ivor	2.30	0.74	14	11	..
Kendal, Manchester	4.99	1.65	16	9	3.28	Barbican	0.49	0.31	21	3	..
						Plumb Point L. H.	0.75	0.75	12	1	0.83

STATIONS.	March, 1937.					STATIONS.	March, 1937.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
SOUTHERN DIVISION, contd.	Ins.	Ins.			Ins.	SOUTHERN DIVISION, contd.	Ins.	Ins.			Ins.
King's House Gar.	0.51	0.38	20	4	1.54	Hog Hole, S. Man.					2.28
Up Park Camp	0.10	0.05	23	3		Stone's Hope	3.23	1.07	12	8	2.61
Cavaliers	0.10	0.07	23	3		Newport, Man.	1.95	1.00	13	8	2.96
St. Georges College	0.17	0.11	4	2		Alligator Pond	4.26	2.84	12	5	2.43
Upper Kingston	0.14	0.05	23	6	0.76	Fairfield	5.94	2.30	12	13	1.61
Parade Garden	0.04	0.04	23	1		Pepper					
Kingston P.W.O.	0.01	0.01	23	1	0.94	Myersville	2.45	0.82	23	8	8.43
Constant Spring	1.43	0.55	14	7		Goshen	6.20	1.40	22	8	
Halfway Tree	0.22	0.06	16	5	1.16	Southfield, St. Eliz.	2.19	1.11	6	7	2.11
Clifton Pen	0.04	0.04	13	1	1.06	Windsor, St. Eliz.	5.23	1.65	6	13	
Seaward Pen	0.00			0		Torrington	3.36	1.19	6	5	3.13
Red Hills	1.16	0.22	4	9		Santa Cruz	5.33	1.76	23	9	4.61
Quarantine Station	0.07	0.07	16	1	0.55	Hounslow	3.21	0.76	14	6	
Hematine	0.39	0.39	14	1	1.52	Pedro Plains	1.99	0.50	12	5	1.63
Spanish Town	0.46	0.33	14	3	1.98	Mountainside	2.98	0.63	24	7	2.32
The Stewartry						Fort Charles	1.61	0.76	1	4	
Hog Hole, St. Cath.	1.79	1.15	14	5	2.26	Black River	1.97	0.76	23	9	2.60
Clairmont						Mt. Charles	4.40	2.07	17	14	
Old Harbour	0.62	0.36	23	3	2.40	Font Hill	4.45	0.80	12	10	3.45
May Pen	1.07	0.62	14	6	2.53	Mount Edgecombe	2.89	0.97	21	12	4.10
Glen Muir						Sweet River					3.65
Cottage						Sav.-la-Mar	1.49	0.72	9	5	2.81
Belle Plain	4.81	1.80	13	8		Little London	4.75	0.70	14	12	3.11
Milk River	0.90	0.60	15	2	1.55	Retreat	4.08	1.70	20	9	3.63
Retrieve	2.18	0.50	13	6	2.10	Negril Point L.H.	3.01	1.16	20	9	2.77

## NOTES.

COMPARATIVE TABLE OF RAINFALL  
AND RAINY DAYS.

DIVISIONAL  AND  ISLAND RAINFALL.	March.			
	Rainfall.		Rainy Days.	
	1937.	Ave.	1937.	Ave.
	Ins.	Ins.		
North-Eastern	2.93	4.61	7	9
Northern	3.08	2.37	6	6
West-Central	4.55	4.25	10	9
Southern	2.04	2.19	6	6
The Island means	3.15	3.35	7	8

## SHOCKS OF EARTHQUAKE IN MARCH, 1937.

Date.	Standard Time. (Approx.)	Intensity.	Notes, where, etc.
			None reported.

N.B.—IT IS PARTICULARLY REQUESTED THAT ALL RAINFALL POST CARDS BE SENT IN NOT LATER THAN THE 5TH OF EACH MONTH.

## THE ISLAND--MARCH.

The mean rainfall for the Island was slightly below normal. The West-Central Division was above the average and the other Divisions were below.

The greatest total fall for the month was 18.97 inches at Craighead in the West-Central Division and the heaviest fall in 24 hours was 4.70 inches at Quebec in the North-Eastern Division on the 12th.

No rain fell at Priestman's River and Seaward Pen.

The mean number of rainy days was 7—1 less than the average. Craighead and Mulgrave in the West-Central Division, with 17 each, had most rainy days.

The mean rainfall in each parish is given below, compared with the 10-year average, St. Elizabeth with 6.01 inches was highest; Manchester with 5.48 inches was second and Trelawny with 4.04 inches was third. Kingston with 0.22 inch was lowest.

Parish.	1937.	10-year Average.	Parish.	1937.	10-year Average.
	Ins.	Ins.		Ins.	Ins.
Kingston	0.22	0.64	St. James	2.49	2.52
St. Andrew	1.35	1.82	Hanover	2.25	2.78
St. Thomas	1.38	1.93	Westmoreland	3.50	3.34
Portland	2.62	6.36	St. Elizabeth	6.01	3.04
St. Mary	3.22	4.22	Manchester	5.48	2.49
St. Ann	3.81	3.17	Clarendon	3.85	1.88
Trelawny	4.04	3.12	St. Catherine	2.78	2.45

The total rainfall for the first quarter of the year is given below, compared with the 60-year average and shews a deficit of 0.36 inch.

Month.	1936.	60-year Average.
	Inches.	Inches.
January	4.35	4.00
February	2.62	3.13
March	3.15	3.35
Total	10.12	10.48

## CITY OF KINGSTON.

The total rainfall for the month of March, 1937, was only 0.01 of an inch, which was recorded on the 23rd. The 60-year normal is 0.94 inch. From the year 1870 to date (67 years) there appear only two instances where in the month of March, an absence of rainfall occurred, which were in the years 1893 and in 1901. The upper boundary of Kingston, however, gauged 0.14 inch, with six rainy days.

The number of days upon which distant rain was observed, are as follows, to northward four days, to north-eastward on one day.

The mean barometric pressure was 29.919 ins: the 33-year normal being 29.965 ins., shewing 0.046 of an inch below the normal. The highest barometer reading was 30.013 ins. on the 4th at 7 a.m., and the lowest was 29.805 ins. on the 14th at 7 a.m., corrected for diurnal variation. There was also low pressure about the 28th.

Mean monthly temperature, derived from four observations per day, was 76.8°; the 33-year average being 76.5°, or 0.3° above the normal. The highest maximum was 89.4° on the 2nd, and the lowest minimum was 66.2°, on the 9th. Then, on the other hand, the lowest maximum was 82.8° on the 7th, and the highest minimum was 72.4° on the 30th. The maximum was below 90° throughout, and the minimum was above 70° on eight days, the greatest daily range was 21.1° on the 2nd, and least was 13.8° on the 30th. The monthly extreme range was 23.2°.

The mean daily miles of wind registered, was 190, the 25-year average being 188 (or only 1% above the average). The greatest number of miles recorded in 24 hours was 310 on the 10th, and least was 108 on the 3rd. The greatest hourly velocity 27 m.p.h. at about 1.30 p.m. on the 20th.

Distant thunderstorm to the northward on the 13th and 14th.

The mean relative humidity was 75%; the 33-year normal being 77%. The mean 7 a.m. was 81%, and the mean 3 p.m. was 63%. The lowest 7 a.m. was 75% on the 11th and 25th, and the lowest 3 p.m. was 44% on the 2nd.

Overcast conditions prevailed in the early morning on four occasions, and in the afternoon on fifteen.

The total evaporation for the month was 5.01 inches; the 10-year average being 6.64 ins.

The mean daily number of sunshine hours was 7.7.

## EVAPORATION TABLES.

*Kingston.*—Attached to this Weather Report No. 728 appears a Table (A) summarising the results of the daily evaporation gauged during each month of the year 1936, at the City of Kingston. The Evaporimeter continued to be maintained with the same exposure as that in the former years, since 1924 (vide Weather Report No. 577).

By an inspection of this 1936 Table it will be found that the maximum monthly evaporation occurred in the month of July (similar to that of 1935), when a total of 8.27 inches was gauged, representing for this month a daily mean of 0.267 inch. The minimum appears in the month of October, when a total of only 3.82 inches was gauged, with a daily mean of 0.123 inch, or equivalent to a little below one-third that of July.

The total evaporation for the year 1936 was 67.00 inches as compared to the 10-year normal of 71.71 inches, or 4.71 ins. below the normal. The general monthly average for the twelve months gives 5.58 ins. with an average daily mean of 0.184 inch, almost similar to that of the previous year. The greatest evaporation for 24 hours was 0.42 inch on 30th July. The days which gauged the greatest amount of evaporation are indicated by bolder-faced type in the respective columns of the Table.

At the foot of the Table are shewn the corresponding monthly normal.

It may be noted that a rain gauge installed nearly alongside the Evaporimeter registered for the year 1936, 40.97 inches.

*Negril Point.*—Another Table (B) shewing the daily evaporation at Negril Point Light House for the year 1936, which was supplied by Mr. J. S. Brownhill, is also appended. By an inspection of this Table, it will be observed that the monthly maximum of 7.61 inches occurred in March, with a daily mean of 0.245 inch. The minimum of 5.37 inches occurred in November, giving a daily mean of 0.179 inch, or about three-quarters that of March.

The total evaporation for the year 1936 was 75.03 inches, shewing 8.03 inches greater than that of the Kingston total. The general monthly mean for the year was 6.25 ins. and the daily mean 0.205 inch. It may be stated that the rain gauge, which is installed in the vicinity of the Evaporimeter gauged 55.21 inches for the year 1936.

By referring to the monthly columns it will be seen that the maximum daily evaporation is indicated, also in bolder-faced type. The greatest evaporation in 24 hours for the year 1936 amounted to 0.40 inch on 19th June.

#### CAYMAN ISLANDS.

Government House, Georgetown, Grand Cayman.—Total rainfall for the month of March was 5.89 inches. Greatest fall in 24 hours 3.03 inches on the 14th. Total number of rainy days 10.

J. F. BRENNAN,  
Government Meteorologist.

Kingston, April 23rd, 1937.

TABLE (A).—KINGSTON, 1936.

Daily Record of Evaporation, in inches—Evaporimeter 6 inches above ground and 102 feet above sea level. (148½ East Street.)

Date.	Jany.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
1	0.19	0.23	0.20	0.25	0.26	0.01	0.26	0.26	0.14	0.07	0.14	0.13
2	0.22	0.06	0.15	0.28	0.37	0.15	0.29	0.17	0.17	0.13	0.18	0.10
3	0.22	0.21	0.26	0.28	0.25	0.26	0.25	0.16	0.19	0.15	0.08	0.14
4	0.25	0.27	0.21	0.25	0.23	0.22	0.41	0.10	0.17	0.16	0.18	0.13
5	0.25	0.29	0.21	0.28	0.27	0.21	0.32	0.25	0.15	0.10	0.11	0.13
6	0.27	0.21	0.15	0.23	0.15	0.34	0.10	0.33	0.12	0.02	0.08	0.13
7	0.19	0.16	0.26	0.18	0.26	0.11	0.14	0.16	0.16	0.08	0.12	0.12
8	0.14	0.20	0.20	0.25	0.26	0.22	0.12	0.34	0.14	0.11	0.11	0.15
9	0.20	0.21	0.24	0.28	0.22	0.02	0.22	0.19	0.13	0.18	0.18	0.14
10	0.16	0.15	0.21	0.21	0.20	0.10	0.28	0.19	0.07	0.11	0.14	0.10
11	0.17	0.15	0.20	0.28	0.30	0.06	0.35	0.23	0.17	0.20	0.20	0.13
12	0.20	0.13	0.12	0.19	0.25	0.11	0.22	0.20	0.25	0.12	0.18	0.13
13	0.14	0.17	0.16	0.20	0.28	0.09	0.17	0.24	0.05	0.11	0.16	0.13
14	0.16	0.17	0.26	0.25	0.26	0.01	0.23	0.09	0.14	0.08	0.11	0.16
15	0.24	0.22	0.11	0.30	0.26	0.18	0.27	0.26	0.17	0.10	0.15	0.10
16	0.19	0.13	0.22	0.25	0.30	0.05	0.35	0.26	0.13	0.13	0.16	0.14
17	0.19	0.17	0.20	0.31	0.20	0.05	0.22	0.14	0.14	0.11	0.11	0.11
18	0.27	0.16	0.23	0.34	0.15	0.02	0.32	0.20	0.10	0.04	0.15	0.15
19	0.18	0.19	0.22	0.25	0.03	0.28	0.32	0.15	0.20	0.13	0.15	0.26
20	0.26	0.19	0.18	0.14	0.20	0.26	0.22	0.22	0.26	0.10	0.08	0.12
21	0.12	0.16	0.26	0.13	0.19	0.17	0.30	0.18	0.05	0.20	0.10	0.18
22	0.18	0.19	0.20	0.32	0.28	0.11	0.30	0.17	0.15	0.11	0.15	0.12
23	0.09	0.28	0.24	0.25	0.32	0.11	0.22	0.18	0.10	0.10	0.12	0.09
24	0.07	0.18	0.09	0.22	0.23	0.30	0.21	0.18	0.13	0.16	0.19	0.12
25	0.12	0.21	0.27	0.26	0.37	0.20	0.29	0.01	0.11	0.16	0.10	0.17
26	0.18	0.16	0.26	0.27	0.15	0.18	0.34	0.01	0.14	0.14	0.12	0.11
27	0.15	0.20	0.17	0.20	0.33	0.22	0.28	0.10	0.14	0.15	0.12	0.04
28	0.07	0.22	0.30	0.30	0.14	0.34	0.20	0.17	0.18	0.14	0.05	0.15
29	0.15	0.16	0.18	0.29	0.15	0.24	0.28	0.20	0.16	0.18	0.15	0.07
30	0.18	..	0.28	0.31	0.33	0.24	0.42	0.15	0.16	0.13	0.12	0.13
31	0.11	..	0.21	..	0.05	..	0.37	0.04	..	0.12	..	0.11
Totals	5.51	5.43	6.45	7.55	7.24	4.86	8.27	5.53	4.37	3.82	3.99	3.98
Daily Means	0.178	0.186	0.208	0.252	0.234	0.162	0.267	0.178	0.141	0.123	0.133	0.128
10-year Monthly Normals	5.06	4.90	6.64	7.75	7.91	6.93	7.87	7.56	5.12	4.05	3.55	4.37

The total Evaporation for the year 1936 was 67.00 inches.  
 10-year average .. .. 71.71 inches

TABLE (B)—NEGRIL POINT, YEAR 1936.

Daily Record of Evaporation, in inches—Evaporimeter 4 inches above ground and 27 feet above sea level.

Date.	Jany.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
1	0.15	0.08	0.27	0.33	0.25	0.06	0.24	0.21	0.26	0.24	0.20	0.14
2	0.17	0.16	0.18	0.34	0.26	0.24	0.18	0.23	0.29	0.19	0.25	0.17
3	0.18	0.21	0.26	0.25	0.26	0.28	0.23	0.23	0.27	0.19	0.19	0.21
4	0.22	0.20	0.22	0.27	0.25	0.32	0.16	0.23	0.23	0.21	0.18	0.17
5	0.26	0.23	0.23	0.27	0.15	0.19	0.23	0.20	0.28	0.24	0.20	0.27
6	0.15	0.21	0.23	0.26	0.24	0.24	0.19	0.26	0.21	0.16	0.13	0.22
7	0.23	0.20	0.14	0.18	0.20	0.19	0.15	0.27	0.15	0.20	0.08	0.18
8	0.22	0.21	0.23	0.28	0.24	0.15	0.18	0.21	0.13	0.18	0.20	0.21
9	0.12	0.24	0.30	0.22	0.20	0.11	0.26	0.25	0.20	0.28	0.22	0.18
10	0.22	0.26	0.26	0.10	0.26	0.04	0.18	0.23	0.19	0.27	0.18	0.20
11	0.23	0.16	0.08	0.28	0.26	0.15	0.21	0.27	0.20	0.21	0.24	0.23
12	0.17	0.25	0.23	0.24	0.28	0.10	0.24	0.14	0.17	0.19	0.23	0.17
13	0.23	0.25	0.17	0.20	0.24	0.09	0.25	0.19	0.26	0.22	0.16	0.21
14	0.18	0.25	0.22	0.25	0.19	0.10	0.27	0.21	0.22	0.20	0.20	0.17
15	0.18	0.22	0.22	0.23	0.11	0.11	0.15	0.19	0.23	0.21	0.15	0.19
16	0.22	0.21	0.29	0.18	0.20	0.15	0.25	0.19	0.23	0.20	0.22	0.22
17	0.18	0.18	0.26	0.30	0.21	0.17	0.23	0.32	0.27	0.11	0.15	0.11
18	0.25	0.18	0.21	0.26	0.20	0.16	0.16	0.12	0.25	0.21	0.15	0.15
19	0.15	0.19	0.28	0.06	0.11	0.40	0.19	0.18	0.20	0.14	0.11	0.25
20	0.15	0.18	0.31	0.12	0.15	0.07	0.23	0.26	0.20	0.05	0.18	0.12
21	0.22	0.19	0.36	0.10	0.19	0.18	0.22	0.20	0.18	0.11	0.16	0.12
22	0.17	0.31	0.27	0.28	0.27	0.29	0.20	0.22	0.22	0.16	0.14	0.22
23	0.05	0.29	0.24	0.25	0.24	0.22	0.21	0.23	0.26	0.17	0.12	0.19
24	0.14	0.31	0.23	0.25	0.27	0.21	0.14	0.21	0.26	0.10	0.19	0.16
25	0.10	0.28	0.25	0.24	0.24	0.19	0.14	0.17	0.23	0.18	0.18	0.15
26	0.15	0.25	0.27	0.23	0.14	0.19	0.21	0.23	0.21	0.18	0.21	0.15
27	0.19	0.23	0.37	0.09	0.25	0.17	0.15	0.20	0.21	0.13	0.20	0.15
28	0.15	0.21	0.26	0.25	0.04	0.25	0.24	0.27	0.25	0.18	0.25	0.21
29	0.05	0.23	0.24	0.20	0.22	0.21	0.24	0.24	0.16	0.17	0.15	0.16
30	0.22	..	0.23	0.24	0.30	0.25	0.29	0.27	0.22	0.23	0.15	0.17
31	0.22	..	0.30	..	0.22	..	0.24	0.24	..	0.18	..	0.18
Totals	5.52	6.37	7.61	6.75	6.48	6.48	6.8	6.64	5.69	5.37	5.63	
Daily Means	0.178	0.220	0.245	0.225	0.214	0.218	0.222	0.221	0.184	0.179	0.182	

The total Evaporation for the year 1936 was



No. 729.



JAMAICA

# WEATHER REPORT.

FOR THE MONTH OF

APRIL, 1937.

The barometric pressures at all the Stations, except the Hill Gardens, are reduced to the standards of Kew 32°, gravity at Lat. 45° and mean sea-level. The bar. at Hill Gardens is reduced to the first two standards only. Thermometers are exposed in Stevenson's Screen; their readings have been corrected for instrumental errors.

The miles of Wind per diem are measured by Robinson's Anemometers, the factor 3 being assumed correct for the four-cup instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky; the Lower (L) clouds are for the most part fracto-stratus; the Middle (M) clouds cumulus and the Upper (U) clouds, cirrus and cirro-stratus.

The rainfall is measured at 7 a.m., and entered as having fallen on the previous day.

The 75th Meridian Time West of Greenwich adopted from 1st February, 1912.

## METEOROLOGICAL RESULTS.

STATIONS.	Elevation.	Bar. Pressure		Temperature. (F.)					Extreme Temperature.			
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range.	Max.	Date.	Min.	Date.
	ft.	ins.	ins.	°	°	°	°	°	°		°	°
Morant Point Light House	8	29.977	29.941	79.7	83.8	85.6	76.1	9.5	87.8	29	71.1	1*
Kingston	24	29.949	29.890	74.7	84.6	86.9	71.5	15.4	91.2	13	68.8	19
Negril Point Light House	33	29.957	29.915	74.7	81.0	86.1	71.1	15.0	90.6	12	67.4	23
Montego Bay	33	..	..	78.4	87.8	90.4	69.0	21.4	92.0	22	65.0	23
Castleton Gardens	496	..	..	68.0	80.7	86.5	67.0	19.5	90.0	10	64.0	23
Hope Gardens†	668	29.999	29.913	71.2	84.8	88.4	68.0	20.4	92.0	5	62.0	19
Hill Gardens	4,900	25.284	25.266	68.8	66.2	70.0	56.6	13.4	71.0	7	56.0	1

STATIONS.	Elevation.	Dewpoint and Rel. Humidity.			Rainfall.	Wind per diem.	Wind: direction from and miles per hour.				Amount of Cloud. Lower, Middle and Upper.					
		7 a.m.	3 p.m.				7 a.m.	3 p.m.			7 a.m.	3 p.m.				
	ft.	°	%	°	%	ins.	Mls.	Dir.	m.p.h.	Dir.	m.p.h.	L.	M.	U.	L.	M.
Morant Point Light House	8	74	79	73	70	0.36	284	NE	13.0	ENE	12.0	0.3	2.6	0.5	0.9	3.4
Kingston	24	67	78	71	65	0.58	213	N	3.6	SE	17.3	0.7	0.3	1.3	3.6	2.4
Negril Point Light House	33	71	86	72	69	2.10	143	ENE	2.6	Var.	10.1	0.4	0.7	2.0	1.7	5.8
Montego Bay	33	72	82	76	67	2.67	..	SE	..	NE	..	..	..	..	..	..
Castleton Gardens	496	66	95	76	85	5.68	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	65	82	71	62	1.29	..	..	..	..	..	..	..	..	..	..
Hill Gardens	4,900	62	92	62	87	4.46	..	..	..	..	..	..	..	..	..	..

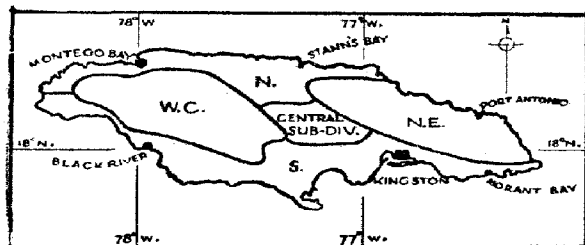
And on other days. † Hope Gardens Bar. read at 9 a.m. and 3 p.m.

## THE RAINFALL.

The first four columns contain all the information relating to the Rainfall for the month received for publication up to the time of sending this report to press; the last column contains the corresponding Rainfall average for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1929." In obtaining the mean Rainfall for the month only those stations are considered for which the average Rainfall has been also given in the last columns that the results derived from these two columns are comparable for each Division. These results are given in the comparative table at the end of this Rainfall Return so as to arrive at the mean for the whole Island, embracing the four Divisions.

The Northern Division comprises the northern shores from Port Maria to Davis' Cove, including the central part of the Island which forms the Central Sub-divisions; the Southern Division comprises the southern shores from Holland Bay to South Negril; the North-Eastern and West-Central Divisions are the remaining parts of the Island bounded by the sea and the other Divisions.

A Map showing these Rainfall Divisions is published in Mr. Maxwell Hall's "Rainfall of Jamaica," following page 27, 1911 Edition, and of page 33 of 1934 Edition, an outline of which is given below.



April, 1937.

STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
NORTH-EASTERN DIVISION (N.E.)					
Manchioneal	Ins.	Ins.			Ins.
Priestman's River	2.06	0.45	18	13	6.64
Bath	1.00	0.80	18	2	5.03
Barrett's Gap	2.99	1.10	18	12	5.98
Millbank	2.83	1.00	18	12	
Comfort Castle	7.51	1.73	19	11	
Moore Town	7.36	2.00	18	8	
Port Antonio	8.80	2.00	18	13	11.18
Passley Garden	3.02	0.65	14	9	6.55
Fellowship	2.61	0.42	12	12	
Johnson River Br.	4.67	0.90	18	8	9.64
Trinity Ville	0.69	0.50	30	3	4.08
Fruitful Vale	2.24	1.37	30	5	
Hope Bay	3.65	1.85	13	8	
Cedar Valley	2.63	1.06	1	5	
Moy Hall	0.73	0.22	18	6	4.04
Paradise	1.05	0.50	19	4	3.89
Lennox	4.59	1.00	13	11	
Greenvale	1.25	0.64	14	4	
Darley	5.77	1.41	9	9	10.16
Spring Garden	4.42	1.00	13	10	
Hill Gardens	1.10	0.47	14	5	4.01
Buff Bay	4.36	1.04	12	8	5.65
Buff Bay R. Est.	0.90	0.50	18	4	6.26
Belvedere, Portland	2.00	0.59	13	8	
Windsor Castle, do.	2.35	0.60	13	5	4.50
Balcarres	0.72	0.29	12	4	5.51
Mt. Holstein	7.30	1.55	26	9	
Cedar Hurst	6.02	1.46	24	10	7.03
Hardware Gap	5.28	2.61	24	10	
	5.25	1.50	29	15	6.40

April, 1937.

STATIONS.	April, 1937.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
NORTH-EASTERN DIVISION, contd.					
	Ins.	Ins.			Ins.
Rose Hill ..	1.43	0.55	25	4	7.70
Mount Cressy ..	5.12	2.10	19		
Hermitage ..	2.80	0.89	27	8	
Mount Airy ..	3.38	1.14	19	9	
Stony Hill Ind. Sch.	3.02	1.56	24	7	5.21
Boon Hall ..	3.84	1.62	24	12	
Brandon Hill ..	2.50	1.00	19	6	
Enfield ..	2.92	1.00	18	10	
Agualta Vale ..	0.31	0.13	11	4	4.60
Castleton Gardens	5.68	2.05	19	10	6.64
Water Valley ..	0.35	0.20	11	2	4.88
Albany ..	0.29	0.15	20	4	4.66
Lawrence Tavern	3.38	0.77	30	8	4.74
Wey Hill ..	4.95	1.34	19	7	
Richmond, St. Mary	2.81	1.10	25	7	4.54
Quebec, St. Mary	1.04	0.90	20	3	3.70
Above Rocks ..	2.92	0.82	30	6	
Glengoffe ..	4.14	1.50	19	5	
Carew Castle ..	2.82	1.13	8	8	5.08
Hampstead, St. Mary	0.85	0.20	19	7	5.47
Windsor Castle do.	2.24	0.82	18	5	
Troja ..	3.77	1.02	5	8	
Pear Tree Grove	4.02	2.34	19	5	
Guy's Hill ..	2.32	0.77	4	7	4.32
Lucky Hill ..	1.93	1.05	24	9	4.92
Rio Hoe ..	2.10	0.69	6	8	4.51
Unity Valley ..	2.66	1.45	16	9	4.90
Moneague ..	2.19	0.60	1	10	4.66
Claremont ..	4.08	1.65	24	13	4.17
Averham Park ..	3.16	0.85	1	10	4.57
Albion ..	3.41	1.59	25	8	4.47
NORTHERN DIVISION (N).					
Port Maria ..	0.63	0.48	20	4	4.00
Wentworth ..	0.68	0.68	20	1	
Oracabessa ..	0.64	0.37	20	3	
Huddersfield ..	1.14	1.00	20	2	
Ocho Rios ..	2.54	0.96	4	4	3.36
Rockfield ..	1.18	0.32	23	9	5.02
Liberty Hill ..	0.58	0.33	20	3	4.02
St. Ann's Bay ..	1.03	0.37	20	8	3.70
Richmond Estate	0.54	0.28	26	4	3.58
Runaway Bay ..	1.10	1.00	24	2	1.03
Knapdale ..	2.83	0.79	25	10	
Alexandria ..	2.99	2.15	24	4	2.94
Bel-Air ..	0.90	0.50	24	5	
Brown's Town ..	2.49	1.50	25	8	3.62
Wilton ..	0.79	0.60	24	6	
Watt Town, St. Ann	3.99	1.15	26	6	3.02
Home Castle ..	2.15	1.50	25	3	3.22
Arcadia ..	0.26	0.16	3	3	2.56
Vale Royal ..	1.30	0.63	27	4	2.94
Harmony Hall ..	0.04	0.04	26	1	2.08
Duncans ..	0.57	0.57	3	1	
Clark's Town ..	1.78	0.75	26	3	
Falmouth ..	0.30	0.30	3	1	2.06
The Hague ..	0.54	0.34	3	3	
Wales ..					

STATIONS.	April, 1937.					STATIONS.	April, 1937.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
NORTHERN DIVISION, contd.						WEST-CENTRAL DIVISION, contd.					
Adelphi	2.16	0.39	4	9		Mereworth	3.12	0.75	2	12	
Barrett Hall	0.15	0.15	21	1		Mandeville	3.18	1.45	2	10	5.60
Success	0.10	0.10	15	1	1.84	Ulster Spring	6.61	1.40	25	13	6.85
Rose Hall	1.78	1.25	15	4	1.78	Greenvale	11.37	3.40	11	8	
Cinnamon Hill	0.80	0.65	15	2	1.83	Albert Town	6.69	1.85	14	11	6.62
Tryall	4.44	3.55	15	4	2.60	Craig Head	5.34	1.66	25	8	
Running Gut	1.93	1.26	15	4	1.79	Warsop	7.50	2.30	14	8	
Spring Estate	4.53	3.50	15	3	1.67	Troy	8.89	2.00	14	9	8.28
Friendship	3.18	1.00	27	10	2.72	Wallingford	15.47	3.19	16	15	8.41
Retirement	5.40	1.24	27	11	4.29	Balacava	9.78	3.95	16	4	9.03
Rose Mount	3.30	1.17	27	8		Braes River	13.47	3.68	16	14	
Montego Bay	2.67	1.16	27	6	3.02	Wakefield	1.45	0.52	24	4	
Anchovy	2.38	1.38	27	9	3.34	Aberdeen	12.48	2.60	11	13	
Hopewell	6.87	2.35	27	7		Accompong	11.93	1.60	29	13	
Blue Hole	2.30	1.01	27	6	3.55	Maggotty	11.00	2.40	11	14	9.83
Cascade	11.96	4.91	27	13		Lacovia	8.72	1.61	30	10	
Lucea	3.05	0.72	27	12	3.53	Mulgrave	5.34	1.18	16	17	
Haughton Court	4.90	1.74	27	11	3.33	Holland	9.42	2.85	16	13	
Kendal—Hanover	8.20	1.63	5	13		Ipswich	7.28	1.62	16	15	
Cousins Cove	9.77	2.28	27	14		Ginger Hill	7.27	1.32	27	16	
Green River	6.16	1.56	5	12		Kempshot	3.77	1.81	24	9	4.90
Green Island	5.49	1.45	27	10	4.79	Mochó, St. James	12.12	2.90	24	9	
Haughton Hall	5.01	1.35	5	10		Bandon Pen					
CENTRAL SUB-DIVISION						Catadupa	13.33	2.40	28	14	7.63
Knollis	2.05	1.03	7	4		Cambridge	10.81	2.63	27	10	7.13
Highgate (St. Cath.)	1.42	0.43	16	11		New Market	10.77	1.88	30	11	10.00
Rio Magno	4.00	0.94	6	8		Kew Park	12.77	3.05	27	13	7.99
Riversdale	6.98	3.20	20	6		The Bog	8.78	1.47	19	13	10.35
Headworks, R.C.C.	2.79	1.30	14	4	3.46	Bethel Town Dist.	12.17	3.82	27	16	8.81
Bog Walk	1.38	0.50	7	4		Burnt Ground	7.41	1.42	25	12	5.75
Linstead	4.29	1.64	7	4	4.46	Haughton Grove	11.98	5.10	27	10	7.01
Ewarton	2.57	1.36	7	7		Darliston	10.72	1.83	27	14	10.92
Cave Valley	4.42	2.62	25	5	4.63	Bluefields	8.50	2.26	27	16	8.08
Guanaboa Vale	1.53	0.70	16	4		Whithorn	7.89	1.94	27	15	7.13
Point Hill	3.68	0.85	29	7	5.52	Water Works Pen	9.60	2.30	25	18	7.43
Brown's Hall	1.41	0.30	30	8	4.17	Williamsfield, Wld.	8.38	1.25	29	14	
Bella Gate	0.42	0.35	16	4	2.39	Baulk	5.46	0.87	28	17	
Rock River	1.89	1.15	30	2		Askenish	14.63	2.65	7	11	6.96
Crofts Hill	0.86	0.33	24	5	3.73	Grange Hill	6.68	2.01	24	14	7.01
Far Enough	3.58	1.61	29	6		Mount Eagle	6.01	2.23	24	11	
Suttons	1.43	0.95	14	4		King's Vale	2.45	0.45	5	11	5.64
Colonel's Ridge	2.64	1.37	1	6		SOUTHERN DIVISION (S.)					
Chapelton	0.95	0.67	14	5	3.73	Morant Point L.H.	0.36	0.19	14	8	3.19
Crooked River	2.05	1.05	16	7		Golden Grove	1.34	0.34	24	10	
James Hill	3.54	2.27	16	8		Pleasant Hill	1.25	0.26	24	9	2.19
Frankfield	1.44	1.32	16	3	3.44	East Prospect	1.60	0.13	18	8	4.23
WEST-CENTRAL DIVISION (W.C.)						Morant Bay	0.46	0.16	18	9	2.84
Mochó, Clarendon	3.26	1.80	16	4	4.76	Aeolus Valley	0.52	0.28	30	4	
Smithville	3.27	1.55	30	5		Yallahs	0.00			0	
Clarendon Park	2.43	0.90	11	4		Easington	0.92	0.85	30	3	2.00
Porus	2.29	1.76	30	3		Llandewey					
Borobridge	6.53	2.00	29	7		Mavis Bank	1.90	0.50	14	10	
Spaldings	5.81	1.72	29	11	3.43	Mavis Bank Factory					
Williamsfield	3.48	1.17	3	6		Bull Bay	0.26	0.14	13	3	0.93
Brokenhurst	2.73	1.31	30	5	5.31	Dallas Castle	2.19	0.70	19	12	
Shooters Hill	2.26	1.70	29	4	4.17	Gordon Town	2.20	0.78	29	6	3.26
Wait-a-bit	10.51	3.20	14	9		Irish Town	2.93	1.00	24	7	4.06
Christiana	9.14	3.36	11	9	6.64	Hope Gardens	1.29	0.44	19	8	2.95
Holmwood	7.43	3.94	11	10		Waireka					
Clifton Hill	2.85	1.60	2	4	4.45	Ivor	1.40	0.57	18	10	
Kendal, Manchester	3.81	1.16	29	7	6.06	Barbican	0.84	0.31	20	5	
						Plumb Point L. H.	0.60	0.60	18	1	1.15

April, 1937.						April, 1937.					
STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.	STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
SOUTHERN DIVISION, contd.	Ins.	Ins.			Ins.	SOUTHERN DIVISION, contd.	Ins.	Ins.			Ins.
King's House Gar.	0.74	0.30	18	4	2.43	Hog Hole, S. Man.	..	..	..	..	3.75
Up-Park Camp	0.92	0.55	19	3	..	Stone's Hope	4.13	1.52	19	6	4.13
Cavaliers	1.09	0.76	19	3	..	Newport, Man.	1.77	0.83	30	4	4.77
St. Georges College	0.17	0.09	19	3	..	Alligator Pond	2.28	1.26	16	6	2.97
Upper Kingston	0.80	0.40	19	4	0.94	Fairfield	5.16	1.52	1	11	5.39
Parade Garden	0.60	0.40	18	2	..	Pepper	..	..	..	..	..
Kingston P.W.O.	0.58	0.40	18	2	1.17	Myersville	1.32	0.87	30	5	..
Constant Spring	1.96	0.64	7	7	..	Goshen	10.19	2.20	16	11	..
Halfway Tree	0.54	0.28	18	5	1.86	Southfield, St. Eliz.	5.46	1.83	16	7	3.60
Clifton Pen	0.84	0.45	19	2	1.74	Windsor, St. Eliz.	6.36	1.31	12	11	..
Seaward Pen	0.72	0.38	11	3	..	Torrington	4.28	1.00	1	7	4.86
Red Hills	1.63	0.44	30	10	..	Santa Cruz	9.02	3.11	11	11	8.81
Quarantine Station	0.90	0.62	13	2	1.36	Hounslow	5.10	1.35	16	6	..
Hematine	0.90	0.39	16	5	2.49	Pedro Plains	6.86	2.07	12	6	2.64
Spanish Town	1.15	0.55	16	5	2.36	Mountainside	9.25	2.20	2	10	5.20
The Stewartry	..	..	..	..	..	Fort Charles	2.54	1.22	2	4	..
Hog Hole, St. Cath.	1.71	0.78	16	5	2.94	Black River	4.09	0.90	2	11	3.98
Clairmont	..	..	..	..	..	Mt. Charles	2.64	0.80	11	10	..
Old Harbour	1.60	0.75	19	3	2.81	Font Hill	3.15	1.30	11	6	4.45
May Pen	0.34	0.17	16	5	3.00	Mount Edgecombe	5.69	1.93	20	11	5.32
Glen Muir	0.58	0.58	30	1	..	Sweet River	..	..	..	..	5.63
Cottage	1.33	0.84	18	7	..	Sav.-la-Mar	3.08	0.83	27	8	4.79
Belle Plain	1.60	0.90	30	3	..	Little London	7.49	1.20	20	13	4.88
Milk River	2.24	1.47	30	5	2.22	Retreat	5.23	1.62	16	9	4.91
Retrieve	1.52	0.75	16	3	2.59	Negril Point L.H.	2.10	0.52	15	11	2.92

## NOTES.

COMPARATIVE TABLE OF RAINFALL  
AND RAINY DAYS.

DIVISIONAL  AND  ISLAND RAINFALL.	April.			
	Rainfall.		Rainy Days.	
	1937.	Ave.	1937.	Ave.
	Ins.	Ins.		
North-Eastern	2.70	5.80	..	10
Northern	2.20	3.17	..	6
West-Central	7.90	6.82	..	11
Southern	2.55	3.28	..	7
The Island means	3.84	4.77	..	9

## SHOCKS OF EARTHQUAKE IN APRIL, 1937.

Date.	Standard Time. (Approx.)	Intensity.	Notes, where, etc.
None reported.			

N.B.—IT IS PARTICULARLY REQUESTED THAT ALL RAINFALL POST CARDS BE SENT IN NOT LATER THAN THE 5TH OF EACH MONTH.

## THE ISLAND—APRIL.

For the third month in succession the mean rainfall for the Island was below normal. All Divisions suffered a shortage except the West-Central which had more than its average.

The greatest total fall for the month was 15.47 inches at Wallingford in the West-Central Division, and the heaviest fall in 24 hours was 5.10 inches at Haughton Grove in the same Division on the 27th.

No rain fell at Yallahs.

The mean number of rainy days was 8—1 less than the average. The greatest number of rainy days was 18 at Water Works Pen in the West-Central Division.

The mean rainfall in each parish is given below. Compared with the 10 year average, St. Elizabeth with 7.66 inches was highest; Westmoreland with 7.53 inches was second, and Hanover with 7.16 inches was third. Kingston with 0.55 inch was lowest.

Parish.	1937.	10 year Avg.	Parish.	1937.	10-year Avg.
	Inches.	Inches.		Inches.	Inches.
Kingston ..	0.55	1.08	St. James ..	3.72	5.21
St. Andrew ..	2.28	4.45	Hanover ..	7.16	6.13
St. Thomas ..	1.23	4.67	Westmoreland ..	7.53	7.85
Portland ..	3.86	10.45	St. Elizabeth ..	7.66	6.97
St. Mary ..	1.77	6.63	Manchester ..	4.03	5.07
St. Ann ..	2.25	5.62	Clarendon ..	2.41	4.48
Trelawny ..	3.57	5.18	St. Catherine ..	2.62	4.93

## CITY OF KINGSTON.

The mean rainfall for the month of April was only 0.58 of an inch, as compared to the 60-year normal of 1.17 inch, or, nearly one-half of the average. The greatest fall in 24 hours was 0.40 inch on the 8th. There were two rainy days, as compared to the average of five. The upper boundary of Kingston gauged 0.80 inch, with four rainy days.

Distant rain was observed to the northward on four days, to the north-eastward on five; to the eastward on two, to the seaward and westward on one day.

Distant thunderstorm was observed to the northward on the 8th.

The mean barometric pressure was 29.927 inches, as compared to the normal of 29.941 inches, shewing 0.014 of an inch below the normal. The highest barometric reading was 30.020 inches on the 12th at 3 p.m., and the lowest was 29.839 ins. on the 26th at 7 a.m., corrected for diurnal variation.

The mean monthly temperature, based upon four observations per day, was 78.9°; the 33-year normal being 78.2°, shewing 0.7° above the normal. The highest maximum temperature was 91.2° on the 13th and the lowest minimum was 68.8° on the 19th. On the other hand the lowest maximum was 82.9° on the 10th, and the highest minimum was 74.3° on the 2nd. The greatest daily range of temperature was 21.0° on the 13th, and the least range was 12.3° on the 2nd. The monthly extreme range was 22.4° which occurred during the interval of the 13th and 19th. The maximum was above 90° once, and the minimum was below 70° four times.

The mean daily miles of wind registered was 213; the 25-year normal being 188, which is equivalent to 13% above the normal. The greatest number of miles recorded in 24 hours was 358 on the 22nd, and the least was 79 on the 12th. South-easterly wind appeared in the early forenoon on three occasions, and continued after 7 p.m. on nineteen occasions. The highest hourly velocity was 34 m.p.h. on the 23rd at about 5.10 p.m.

Mean relative humidity was 76%; the 33-year normal being 78%. The lowest 7 a.m. was 69% on the 23rd and 24th, and the lowest 3 p.m. was 44% on the 13th.

The sky was overcast in the early morning on six occasions, and in the afternoon on seventeen.

Total evaporation for the month of April was 6.37 inches; the 10-year normal being 7.75 inches.

The mean daily number of sunshine hours was 6.8.

Lunar halo on 17th, complete 8.30 p.m.

## CAYMAN ISLANDS.

Government House, Georgetown, Grand Cayman.—Total rainfall for the month of April, 1937, was 2.09 ins. Greatest fall in 24 hours 1.50 ins. on the 15th. Total number of rainy days 3.

J. F. BRENNAN,

Government Meteorologist.

Kingston, May 20th, 1937.



## JAMAICA

## WEATHER REPORT.

FOR THE MONTH OF

MAY, 1937.

The barometric pressures at all the Stations, except the Hill Gardens, are reduced to the standards of Kew 32°, gravity at Lat. 45° and mean sea-level. The bar. at Hill Gardens is reduced to the first two standards only. Thermometers are exposed in Stevenson's Screen; their readings have been corrected for instrumental errors.

The miles of Wind per diem are measured by Robinson's Anemometers, the factor 3 being assumed correct for the four-sip instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky; the Lower (L) clouds are for the most part fracto-stratus; the Middle (M) clouds cumulus and the Upper (U) clouds, cirrus and cirro-stratus.

The rainfall is measured at 7 a.m., and entered as having fallen on the previous day.

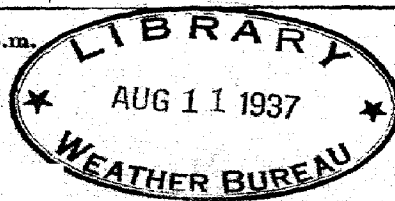
The 75th Meridian Time West of Greenwich adopted from 1st February, 1912.

## METEOROLOGICAL RESULTS.

STATIONS.	Elevation.	Bar. Pressure		Temperature. (F.)					Extreme Temperature. (F)				
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range.	Max.	Date.	Min.	Date.	Range.
		ft.	ins.	ins.	°	°	°	°	°	°	°	°	°
Morant Point Light House	8	29.922	29.892	79.8	83.1	86.1	74.4	11.7	88.3	9	68.0	16	20.3
Kingston	24	29.899	29.864	76.9	82.3	85.6	72.2	13.4	88.6	3	68.7	26	19.9
Negril Point Light House	33	29.903	29.874	77.1	83.4	85.4	71.9	13.5	88.2	29	69.4	3	18.8
Montego Bay	33	..	..	79.1	86.0	88.0	70.1	17.9	90.0	3*	68.0	2*	22.0
Castleton Gardens	496	..	..	69.1	79.9	84.7	68.1	16.6	89.0	5	65.0	2	24.0
Hope Gardens†	668	29.957	29.881	73.5	82.4	85.6	69.9	15.7	90.0	6	67.0	2	23.0
Hill Gardens	4,900	25.253	25.246	63.6	65.4	..	..	..	..	..	..	..	..

STATIONS.	Elevation.	Dewpoint and Rel. Humidity.				Rainfall.	Wind per diem.	Wind: direction from and miles per hour.				Amount of Cloud. Lower, Middle and Upper.					
		7 a.m.		3 p.m.				7 a.m.		3 p.m.		7 a.m.		3 p.m.			
	ft.	°	%	°	%	ins.	Mls.	Dir.	m.p.h.	Dir.	m.p.h.	L.	M.	U.	L.	M.	U.
Morant Point Light House	8	74	83	75	77	15.75	195	E	9.0	ENE	8.0	2.6	2.1	0.7	2.5	2.6	1.6
Kingston	24	70	79	73	75	7.36	167	NNE	3.9	SE	11.1	2.3	1.0	0.7	5.8	0.6	1.3
Negril Point Light House	33	72	85	73	73	10.43	123	ENE	2.8	SE	8.1	1.9	1.2	2.8	1.9	4.4	1.6
Montego Bay Castleton	33	75	87	78	76	6.34	..	SE	..	NE	..	..	..	..	..	..	..
Gardens	496	67	95	75	84	26.42	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	67	82	71	70	10.22	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens	4,900	62	92	62	89	14.67	..	..	..	..	..	..	..	..	..	..	..

\* And on other days. † Hope Gardens Bar. read at 9 a.m. and 3 p.m.

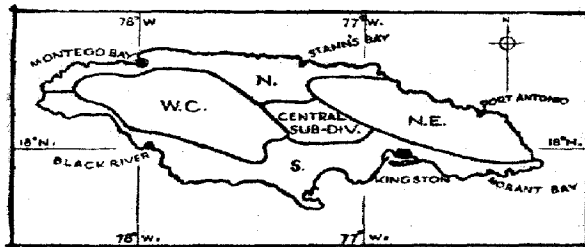


## THE RAINFALL.

THE first four columns contain all the information relating to the Rainfall for the month received for publication up to the time of sending this report to press; the last column contains the corresponding Rainfall average for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1929." In obtaining the mean Rainfall for the month only those stations are considered for which the average Rainfall has been also given in the last columns that the results derived from these two columns are comparable for each Division. These results are given in the comparative table at the end of this Rainfall Return so as to arrive at the mean for the whole Island, embracing the four Divisions.

The Northern Division comprises the northern shores from Port Maria to Davis' Cove, including the central part of the Island which forms the Central Sub-divisions; the Southern Division comprises the southern shores from Holland Bay to South Negril; the North-Eastern and West-Central Divisions are the remaining parts of the Island bounded by the sea and the other Divisions.

A Map showing these Rainfall Divisions is published in Mr. Maxwell Hall's "Rainfall of Jamaica," following page 27, 1911 Edition, and of page 33 of 1934 Edition, an outline of which is given below.



May, 1937.

STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
NORTH-EASTERN DIVISION (N.E.)					
Manchioneal	27.15	4.84	31	19	12.66
Priestman's River	10.80	2.00	21	15	10.55
Bath	30.26	10.15	31	21	12.33
Barrett's Gap	28.17	8.20	31	19	
Millbank	12.51	3.70	29	11	
Comfort Castle	23.21	3.85	29	21	
Moore Town	13.34	2.50	25	19	16.68
Port Antonio	10.18	1.60	29	16	13.73
Passley Garden	7.90	1.22	9	17	
Fellowship	12.21	4.40	29	13	16.19
Johnson River Br.	17.92	5.73	31	10	9.56
Trinity Ville	14.45	3.13	29	13	
Fruitful Vale	14.85	1.88	9	17	
Hope Bay	7.19	1.30	20	15	
Cedar Valley	15.56	2.20	22	21	9.10
Moy Hall					9.25
Paradise	7.34	0.72	9	19	
Lennox	5.21	1.55	11	9	
Greenvale	17.79	6.67	19	21	9.27
Darley	8.07	2.04	9	15	
Spring Garden	3.90	1.76	9	11	6.05
Hill Gardens	14.67	3.10	23	17	9.77
Buff Bay	4.25	2.70	9	10	7.97
Buff Bay R. Est.	7.64	3.40	9	14	
Belvedere, Portland	4.00	1.00	9	11	6.08
Windsor Castle, do.	4.26	2.55	9	10	5.86
Balcarras	19.09	3.33	18	21	
Mt. Holstein	12.61	1.90	20	18	10.07
Cedar Hurst	9.76	2.61	8	20	
Hardware Gap	15.22	2.54	9	21	11.24

May, 1937.

STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
NORTH-EASTERN DIVISION, contd.					
	Ins.	Ins.			Ins.
Rose Hill ..	12.78	1.21	23	25	12.52
Mount Cressy ..	18.08	3.00	22		
Hermitage ..	14.07	1.91	2	18	
Mount Airy ..	18.49	2.37	9	21	
Stony Hill Ind. Sch.	14.29	2.26	9	21	9.29
Boon Hall ..	18.46	2.59	9	22	
Brandon Hill ..	16.07	2.00	31	22	
Enfield ..	15.99	4.94	14	15	
Agualta Vale ..	10.11	3.46	14	17	5.76
Castleton Gardens	26.42	5.40	9	18	11.65
Water Valley ..	8.72	2.00	12	12	7.06
Albany ..	10.01	2.91	12	12	6.92
Lawrence Tavern ..	11.16	1.72	1	15	9.18
Wey Hill ..	11.17	3.15	8	20	
Richmond, St. Mary	12.82	2.50	13	17	7.54
Quebec, St. Mary ..	8.68	3.50	12	9	6.45
Above Rocks ..	12.90	2.50	26	16	
Glengoffe ..	11.95	2.50	9	17	
Carew Castle ..	8.44	1.62	9	15	9.78
Hampstead, St. Mary	14.67	4.05	12	15	7.33
Windsor Castle do.	13.64	2.54	12	16	
Troja ..	11.06	3.06	13	14	
Pear Tree Grove ..	11.41	4.08	9	6	
Guy's Hill ..	8.18	2.38	13	20	7.46
Lucky Hill ..	9.05	1.52	12	15	8.48
Rio Hoe ..	8.29	1.49	10	19	8.12
Unity Valley ..	8.80	1.60	10	22	9.79
Moneague ..	6.65	1.18	9	17	8.76
Claremont ..	11.36	2.36	9	16	7.08
Averham Park ..	8.91	2.16	9	19	7.26
Albion ..	14.07	3.65	9	17	8.30
NORTHERN DIVISION (N).					
Port Maria ..	6.07	3.00	9	14	6.31
Wentworth ..	8.09	3.25	9	11	
Oracabessa ..	11.99	3.20	9	10	
Huddersfield ..	9.67	3.91	9	8	
Ocho Rios ..	8.50	2.36	9	12	5.22
Rockfield ..	7.07	3.16	9	17	5.94
Liberty Hill ..	7.51	3.15	29	10	4.72
St. Ann's Bay ..	8.23	3.06	9	13	5.30
Richmond Estate ..	4.48	1.78	9	10	6.14
Runaway Bay ..	4.19	0.84	30	9	2.23
Knapdale ..	6.71	2.47	9	17	
Alexandria ..	3.34	0.90	12	8	7.29
Bel-Air ..	4.85	0.90	13	13	
Brown's Town ..	10.48	4.08	9	17	8.61
Wilton ..	4.27	1.30	11	16	
Watt Town, St. Ann	4.59	1.53	23	15	8.24
Home Castle ..	8.85	2.50	11	11	5.60
Arcadia ..	5.03	1.17	23	10	4.89
Vale Royal ..	4.36	1.21	11	12	5.82
Harmony Hall ..	1.58	0.45	30	6	4.49
Duncans ..	3.98	0.72	18	10	
Clark's Town ..	4.94	1.10	12	15	
Falmouth ..	4.83	1.58	23	8	4.48
The Hague ..	5.57	1.50	23	14	
Wales ..	..	..	..	..	..

May, 1937.						May, 1937.					
STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.	STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
NORTHERN DIVISION, contd.						WEST-CENTRAL DIVISION, contd.					
Adelphi	7.45	2.90	12	13		Mereworth	12.99	2.40	23	23	
Barrett Hall	7.23	1.81	23	10		Mandeville	13.16	2.51	26	24	9.93
Success	3.30	1.15	23	6	4.25	Ulster Spring	15.75	2.65	12	23	11.90
Rose Hall	5.20	1.74	23	9	4.24	Greenvale	10.91	1.55	19	20	
Cinnamon Hill	3.47	1.91	23	8	4.78	Albert Town	16.60	2.50	29	17	10.58
Tryall	5.19	1.30	23	10	6.05	Craig Head	14.92	5.10	31	14	
Running Gut	4.53	1.45	23	8	4.74	Warsop	13.68	2.08	8	14	
Spring Estate	6.05	1.40	23	10	4.28	Troy	17.06	2.00	12	19	14.60
Friendship	7.06	3.00	12	13	7.85	Wallingford	15.82	2.46	12	25	11.80
Retirement	6.77	1.52	12	16	8.50	Balaclava	13.92	2.47	26	20	12.13
Rose Mount	7.66	1.80	12	18		Braes River					
Montego Bay	6.34	1.28	23	16	7.12	Wakefield	8.91	1.45	12	16	
Anchovy	10.59	2.61	22	21	8.00	Aberdeen	21.13	4.04	12	23	
Hopewell	8.23	2.00	24	13		Accompong	20.87	3.97	22	24	
Blue Hole	9.32	2.50	13	10	12.10	Maggotty	13.12	2.38	18	18	13.21
Cascade	25.59	4.20	14	14		Lacovia	9.40	2.28	29	13	
Lucea	7.18	2.85	13	16	8.53	Mulgrave	16.48	2.00	10	24	
Haughton Court					8.89	Holland	13.12	2.29	12	18	
Kendal—Hanover	16.44	3.91	23	19		Ipswich	13.21	1.62	8	23	
Cousins Cove	9.46	2.45	5	17		Ginger Hill	14.27	1.44	15	25	
Green River	14.99	2.85	23	16		Kempshot	12.99	2.33	12	18	10.19
Green Island	9.27	2.45	22	14	9.84	Mochu, St. James	22.23	3.10	15	21	
Haughton Hall	7.18	1.37	14	16		Bandon Pen	13.28	2.04	28	17	
CENTRAL SUB-DIVISION						Catadupa	17.46	2.00	23	19	15.76
Knollis	10.11	2.33	9	13		Cambridge	18.01	2.62	12	19	13.30
Highgate (St. Cath.)	9.34	2.70	21	19		New Market	17.24	4.30	12	17	12.50
Rio Magno	12.74	3.45	9	16		Kew Park	21.73	3.04	12	23	12.97
Riversdale	9.63	1.76	9	11		The Bog	11.59	2.06	18	20	14.15
Headworks, R.C.C.	12.77	2.08	9	16	7.31	Bethel Town Dist.	20.54	4.96	23	25	16.95
Bog Walk	9.41	2.28	9	9		Burnt Ground	22.71	4.18	12	19	13.74
Linstead	9.35	2.54	9	11	9.69	Haughton Grove					13.98
Ewarton	8.94	2.50	26	8		Darliston	17.75	2.22	18	22	16.30
Cave Valley	10.32	2.70	18	11	9.10	Bluefields	7.81	1.46	8	19	11.86
Guanaboa Vale	13.61	3.10	23	14		Whithorn	20.50	2.55	13	22	13.29
Point Hill	18.24	3.65	9	16	11.11	Water Works Pen	17.28	3.05	14	23	11.86
Brown's Hall	9.92	1.75	9	16	8.38	Williamsfield, Wld.	19.39	3.60	23	20	
Bellas Gate	10.17	2.06	18	16	5.57	Baulk	15.52	3.48	14	19	
Rock River	13.25	3.20	23	11		Askenish	15.87	2.62	5	9	12.65
Crofts Hill	17.03	3.40	19	16	7.16	Grange Hill	12.80	2.54	23	21	13.44
Far Enough	20.56	4.19	18	21		Mount Eagle	11.95	2.46	2	23	
Suttons	14.01	2.11	23	18		King's Vale	4.22	0.67	13	13	11.38
Colonel's Ridge	16.12	2.88	18	18		SOUTHERN DIVISION (S.)					
Chapelton	14.46	3.11	23	21	8.55	Morant Point L.H.	15.75	6.96	31	15	8.68
Crooked River	10.25	1.75	16	22		Golden Grove	18.20	7.78	31	22	
James Hill	13.32	2.42	9	14		Pleasant Hill	19.95	6.53	31	21	7.69
Frankfield	11.53	1.73	23	15	7.52	East Prospect	17.94	5.72	23	20	8.88
WEST-CENTRAL DIVISION (W.C.)						Morant Bay	16.80	6.64	31	20	7.31
Mochu, Clarendon	11.06	4.00	22	12	9.71	Aeolus Valley	12.54	3.48	31	14	
Smithville	13.27	1.73	23	18		Yallahs	6.83	2.00	9	7	
Clarendon Park	11.91	2.35	23	21		Easington	10.82	3.80	31	12	6.26
Porus	10.89	2.15	23	16		Llandewey	10.13	3.20	31	10	
Borobridge	9.02	1.90	18	14		Mavis Bank	12.79	1.55	11	16	
Spaldings	12.33	2.55	18	19	7.74	Mavis Bank Factory					
Williamsfield	11.63	1.87	31	20		Bull Bay	5.91	2.97	31	6	3.87
Brokenhurst	11.52	2.20	23	19	9.59	Dallas Castle	7.87	1.47	31	21	
Shooters Hill	10.25	1.97	19	18	7.34	Gordon Town	11.56	1.31	23	18	7.13
Wait-a-bit	15.46	3.59	9	17		Irish Town	12.21	1.65	22	19	6.56
Christiana	12.33	2.88	19	19	10.69	Hope Gardens	10.22	2.40	18	20	6.23
Holmwood	11.61	1.70	18	18		Waireka					
Clifton Hill	15.97	3.40	26	18	6.97	Ivor					
Kendal, Manchester	10.68	2.00	26	17	9.83	Barbican	6.17	2.01	9	13	
						Plumb Point L. H.	11.32	3.10	9	12	4.57



STATIONS.	May, 1937.					STATIONS.	May, 1937.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
SOUTHERN DIVISION, contd.	Ins.	Ins.			Ins.	SOUTHERN DIVISION, contd.	Ins.	Ins.			Ins.
King's House Gar.	8.34	2.48	9	13	5.84	Hog Hole, S. Man.					6.82
Up-Park Camp	6.42	0.99	31	13		Stone's Hope	10.82	2.09	19	18	8.51
Cavaliers	7.52	1.98	9	14		Newport, Man.	10.06	2.98	23	17	8.02
St. Georges College	7.51	2.06	23	12		Alligator Pond	8.15	1.22	22	15	5.15
Upper Kingston	7.71	2.06	23	12	2.44	Fairfield	15.72	3.76	16	25	7.55
Parade Garden	6.27	1.52	9	11		Pepper					
Kingston P.W.O.	7.36	1.55	9	12	4.01	Myersville	12.08	1.50	17	13	
Constant Spring	10.28	2.40	9	18		Goshen	15.72	3.22	18	17	
Halfway Tree	6.69	1.70	9	15	4.63	Southfield, St. Eliz.	10.16	1.95	24	19	5.88
Clifton Pen	8.56	2.50	23	12	3.94	Windsor, St. Eliz.	10.77	2.50	21	19	
Seaward Pen	7.80	1.85	9	7		Torrington	9.39	1.83	3	12	6.26
Red Hills	8.23	1.32	23	17		Santa Cruz	10.25	3.15	18	11	11.02
Quarantine Station	2.04	0.43	23	12	3.33	Hounslow	8.75	1.30	16	10	
Hematine	9.35	1.81	23	16	6.19	Pedro Plains	8.72	2.00	8	12	3.48
Spanish Town	9.58	2.68	9	15	5.82	Mountainside	13.39	1.57	21	16	3.73
The Stewartry						Fort Charles	8.46	2.00	19	11	
Hog Hole, St. Cath.	8.06	1.83	23	15	6.65	Black River	10.29	2.48	18	20	6.57
Clairmont						Mt. Charles	8.76	1.55	18	20	
Old Harbour	12.22	2.03	22	15	5.85	Font Hill	7.90	2.45	18	12	7.40
May Pen	13.76	2.70	23	20	6.44	Mount Edgecombe	7.58	1.21	18	16	8.37
Glen Muir	13.70	3.00	23	10		Sweet River					9.88
Cottage	12.90	3.46	22	17		Sav.-la-Mar	7.26	2.05	23	14	8.60
Belle Plain	13.23	2.77	23	19		Little London	11.64	2.40	23	15	9.89
Milk River	12.48	3.20	22	15	5.60	Retreat	5.56	1.86	2	11	9.03
Retrieve	9.64	1.65	23	15	4.77	Negril Point L.H.	10.43	2.77	2	16	6.25

## NOTES.

COMPARATIVE TABLE OF RAINFALL  
AND RAINY DAYS.

DIVISIONAL  AND  ISLAND RAINFALL.	May.			
	Rainfall.		Rainy Days.	
	1937.	Ave.	1937.	Ave.
	Ins.	Ins.		
North-Eastern . . .	12.22	9.76	15	13
Northern . . .	7.79	6.90	13	10
West-Central . . .	14.76	12.06	20	15
Southern . . .	10.40	6.35	15	10
The Island means . .	11.34	8.77	16	12

## SHOCKS OF EARTHQUAKE IN MAY, 1937.

Date.	Standard Time. (Approx.)	Intensity.	Notes, where, etc.
15th	7.07 p.m.	I	East Prospect.

N.B.—IT IS PARTICULARLY REQUESTED THAT ALL RAINFALL POST CARDS BE SENT IN NOT LATER THAN THE 5TH OF EACH MONTH.

## THE ISLAND—MAY.

The mean rainfall for the month was much above the average in all Divisions, and was well distributed, as the mean number of rainy days was 16, the average for the month being 12.

The greatest total fall for the month was 30.26 inches at Bath in the North-eastern Division, and the same station had the heaviest fall in 24 hours—10.15 inches on the 31st. 2.45 inches fell at Cousins Cove, Hanover, in an hour on the 5th; and 2.49 inches fell at Mandeville in an hour and a half on the 26th.

The greatest number of rainy days was 25 at Rose Hill, Wallingford, Ginger Hill, Bethel Town and Fairfield.

The mean rainfall in each parish is given below, compared with the 10-year average, from which it will be observed the average was exceeded in every parish. St. Thomas with 16.81 inches was highest. Westmoreland, with 13.71 inches, was second; and Clarendon with 13.40 inches was third. St. Ann, with 7.57 inches was lowest.

Parish.	1937.	10-year Average.	Parish.	1937.	10-year Average.
	inches	Inches		Inches	Inches
Kingston ..	8.03	1.90	St. James ..	9.16	8.79
St. Andrew ..	11.41	5.73	Hanover ..	12.60	11.00
St. Thomas ..	16.81	5.30	Westmoreland ..	13.71	10.77
Portland ..	11.06	9.96	St. Elizabeth ..	12.63	6.86
St. Mary ..	11.81	7.74	Manchester ..	11.84	5.91
St. Ann ..	7.57	6.90	Clarendon ..	13.40	5.67
Trelawny ..	9.06	7.45	St. Catherine ..	10.44	6.31

## CITY OF KINGSTON.

The total rainfall for the month of May 1937 was 7.36 inches, representing about 81% above the 60-year average of 4.02 inches. The greatest fall in 24 hours was 1.55 of an inch on the 9th. There were 12 rainy days as compared to the 49-year average of 7.4. The upper boundary of Kingston gauged 7.71 inches with also twelve rainy days.

The days upon which distant rain was observed are as follows:—to the northward, fifteen; to the northeastward, ten; to the eastward, seven; southwest, six; south and southwest, for each; westward, five; and to northwestward, six.

Distant thunderstorm to northward on six days; to southeast one; and to south, three;

The mean barometric pressure was 29.887 inches, showing 0.023 of an inch below normal. The highest Barometer reading was 29.947 inches on the 13th at 3 p.m. and the lowest was 29.806 inches on the 26th at 7 a.m., corrected for diurnal var.

The mean monthly temperature, based upon four observations per day was 78.7°; the 33-year average being 79.7°, showing 1.0° below the normal. The highest maximum was 88.6° on the 3rd, and the lowest minimum 68.7° on the 26th, giving an extreme monthly range 19.9°. On the other hand the lowest maximum was 76.8° on the 25th, and the highest minimum was 75.3° on the 7th. The maximum was below 90° throughout, and the minimum below 70° four times. Greatest daily range was 18.1° on the 16th, and the least range was 3.4° on the 23rd.

The mean daily miles of wind registered was 167, the 25-year average being 209 showing 20% below the normal. The greatest number of miles of winds recorded in 24 hours was 340 on the 6th, and the least was 102 on the 20th. Highest hourly velocity was 27 miles per hour on the 31st at about 9.15 p.m. Southeasterly wind rose early morning on five occasions and continued after 7 p.m. on fifteen, and prevailed throughout the night once.

The mean relative humidity was 81% and the 33-year normal 79%. The mean 7 a.m. was 79% and the 3 p.m. 75%. The lowest 7 a.m. was 65% on the 15th and the lowest 3 p.m. 61% on the 6th.

Overcast conditions prevailed in the forenoon on 12 occasions and in the afternoon on 23 occasions.

Total evaporation for May was 5.19 ins. and the 10-year average gives 7.91 inches. The deficiency was due to the heavy rainfall.

The mean daily number of sunshine hours was 5.4.

Lunar Halo on the 17th.

On the 5th of May at about 9.45 p.m. a brilliant meteor was observed to seaward near Kingston. It moved in its course in the direction of east to west. The elevation angle was approximately 20°. It was of greenish colour and left behind a faint whitish trail which disappeared after a short duration.

## CATMAN ISLANDS.

Government House, Georgetown, Grand Cayman.—Total rainfall for May 1937 was 8.33 inches. Greatest fall in 24 hours 2.40 inches on the 7th with 11 rainy days.

J. F. BRENNAN,  
Government Meteorologist.

Kingston.

June 22nd, 1937.

No. 732.



JAMAICA  
**WEATHER REPORT.**  
FOR THE MONTH OF  
JUNE, 1937.

The barometric pressures at all the Stations, except the Hill Gardens, are reduced to the standards of Kew 32°, gravity at Lat. 45° and mean sea-level. The bar. at Hill Gardens is reduced to the first two standards only. Thermometers are exposed in Stevenson's Screen; their readings have been corrected for instrumental errors.

The miles of Wind per diem are measured by Robinson's Anemometers, the factor 3 being assumed correct for the four cup instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky; the Lower (L) clouds are for the most part fracto-stratus; the Middle (M) clouds cumulus and the Upper (U) clouds, cirrus and cirro-stratus.

The rainfall is measured at 7 a.m., and entered as having fallen on the previous day.

The 75th Meridian Time West of Greenwich adopted from 1st February, 1912.

**METEOROLOGICAL RESULTS.**

STATIONS.	Elevation.	Bar. Pressure			Temperature. (F.)					Extreme Temperature. (F)			
		7 a.m.	3 p.m.		7 a.m.	3 p.m.	Max.	Min.	Range.	Max.	Date.	Min.	Date.
	ft.	ins.	ins.	°	°	°	°	°	°	°	°	°	°
Morant Point Light House	8	29.985	29.959	82.2	84.6	87.0	79.1	79.9	88.6	14*	73.6	1	15.0
Kingston	24	29.950	29.913	78.4	85.7	88.1	74.2	13.9	90.9	20	71.2	14	19.7
Negril Point Light House	33	29.958	29.936	78.3	84.4	87.3	73.5	13.8	88.3	6	69.7	9	18.6
Montego Bay	33	..	..	80.1	86.9	91.1	71.1	20.0	94.8	28	68.2	30	26.6
Castleton Gardens	496	..	..	70.0	81.5	87.6	69.0	18.6	90.0	6	65.0	30	25.0
Hope Gardens*	668	29.998	29.938	74.8	85.0	89.2	70.5	18.7	91.0	5	69.0	1	22.0
Hill Gardens	4,900	25.275	25.261	63.8	66.2	..	..	..	..	..	..	..	..

STATIONS.	Elevation.	Dewpoint and Rel. Humidity.				Rainfall.	Wind per diem.	Wind: direction from and miles per hour.				Amount of Cloud. Lower, Middle and Upper.					
		7 a.m.		3 p.m.				7 a.m.		3 p.m.		7 a.m.		3 p.m.			
	ft.	°	%	°	%	ins.	Mls.	Dir.	m.p.h.	Dir.	m.p.h.	L.	M.	U.	L.	M.	U.
Morant Point Light House	8	76	81	77	76	1.68	335	ENE	16.0	E	16.5	1.6	2.8	2.7	0.9	2.8	2.2
Kingston	24	70	76	73	67	0.70	262	E	6.5	SE	19.6	0.2	1.0	3.8	3.4	0.7	2.5
Negril Point Light House	33	72	82	75	75	4.54	135	NE	3.0	SE	10.1	1.6	1.1	5.4	1.0	6.4	2.0
Montego Bay	33	74	81	75	67	4.72	..	ESE	..	ENE	..	..	..	..	..	..	..
Castleton Gardens	496	69	95	76	84	14.37	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	71	87	73	66	1.70	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens	4,900	62	91	62	86	1.84	..	..	..	..	..	..	..	..	..	..	..

\* And on other days.

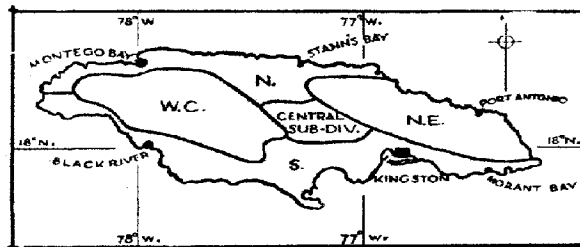
Hope Gardens—observations made at 9 a.m. and 3 p.m.  
Montego Bay—observations made at 8 a.m. and 3 p.m.

## THE RAINFALL.

The first four columns contain all the information relating to the Rainfall for the month received for publication up to the time of sending this report to press; the last column contains the corresponding Rainfall average for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1929." In obtaining the mean Rainfall for the month only those stations are considered for which the average Rainfall has been also given in the last columns that the results derived from these two columns are comparable for each Division. These results are given in the comparative table at the end of this Rainfall Return so as to arrive at the mean for the whole Island, embracing the four Divisions.

The Northern Division comprises the northern shores from Port Maria to Davis' Cove, including the central part of the Island which forms the Central Sub-divisions; the Southern Division comprises the southern shores from Holland Bay to South Negril; the North-Eastern and West-Central Divisions are the remaining parts of the Island bounded by the sea and the other Divisions.

A Map showing these Rainfall Divisions is published in Mr. Maxwell Hall's "Rainfall of Jamaica," following page 27, 1911 Edition, and of page 33 of 1934 Edition, an outline of which is given below.



STATIONS.	June, 1937.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
NORTH-EASTERN DIVISION (N.E.)					
Manchioneal	4.78	1.26	26	17	6.76
Priestman's River	4.60	1.10	28	9	4.99
Bath	5.44	1.00	9	14	10.91
Barrett's Gap	6.73	1.00	21	19	..
Millbank	13.41	2.01	20	23	..
Comfort Castle	12.76	2.15	20	21	..
Moore Town	12.83	2.00	27	19	18.56
Port Antonio	10.90	3.10	1	18	14.32
Passley Garden	6.34	1.70	26	17	..
Fellowship	8.51	1.47	27	17	17.26
Johnson River Br.	5.43	2.02	26	10	11.52
Trinity Ville	3.52	1.16	26	17	..
Fruitful Vale	4.59	1.20	9	16	..
Hope Bay	4.91	1.50	27	15	..
Cedar Valley	4.32	1.46	26	10	11.22
Moy Hall	..	..	..	..	11.64
Paradise	4.30	1.14	9	12	..
Lennox	3.52	1.08	20	8	..
Greenvale	1.07	0.59	26	3	3.66
Darley	3.98	0.98	26	12	..
Spring Garden	2.12	0.76	20	9	3.92
Hill Gardens	1.84	1.44	26	5	6.73
Buff Bay	2.20	1.10	20	9	6.60
Buff Bay R. Est.	2.06	0.64	9	8	..
Belvedere, Portland	1.18	1.00	10	3	1.98
Windsor Castle, do.	2.21	0.80	20	4	5.00
Balcarras	0.50	0.50	13	1	..
Mt. Holstein	2.42	1.47	13	7	5.54
Cedar Hurst	4.80	3.87	13	6	..
Hardware Gap	7.59	2.65	13	9	6.58

STATIONS.	June, 1937.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
NORTH-EASTERN DIVISION, contd.					
Rose Hill	3.94	1.07	26	12	6.18
Mount Cressy					
Hermitage	6.85	1.68	16	9	
Mount Airy	7.25	2.33	14	9	
Stony Hill Ind. Sch.	3.42	1.27	14	8	6.53
Boon Hall	4.65	1.37	14	10	
Brandon Hill	6.77	1.65	26	10	
Enfield	0.86	0.40	26	3	
Agualta Vale	1.23	0.40	26	6	2.93
Castleton Gardens	14.37	3.10	16	13	8.82
Water Valley	2.16	0.75	24	7	3.74
Albany	1.93	0.75	24	9	3.01
Lawrence Tavern	9.66	2.73	14	10	6.27
Wey Hill	6.80	1.00	22	12	
Richmond, St. Mary	3.32	1.00	24	7	4.69
Quebec, St. Mary	3.44	1.17	15	7	4.48
Above Rocks	4.72	1.10	21	13	
Glengoffe	9.37	2.30	21	10	
Carew Castle					8.51
Hampstead, St. Mary	2.15	0.85	24	7	3.57
Windsor Castle do.	4.33	1.66	23	11	
Troja	6.56	2.06	22	9	
Pear Tree Grove	7.37	3.36	1	7	
Guy's Hill	5.44	1.07	20	10	5.74
Lucky Hill	4.55	2.30	23	9	3.66
Rio Hoe	5.78	1.38	17	7	7.47
Unity Valley	9.25	1.48	17	13	7.72
Moneague	7.29	1.37	21	11	7.39
Claremont	4.36	1.03	16	8	5.04
Averham Park	1.19	0.54	15	4	4.94
Albion	3.96	0.80	21	11	6.16
NORTHERN DIVISION (N.).					
Port Maria	2.62	0.75	15	11	4.86
Wentworth	2.57	0.70	15	7	
Oracabessa	5.37	2.33	24	8	
Huddersfield	3.55	2.10	23	4	
Ocho Rios	2.75	0.61	15	10	3.16
Rockfield	1.59	0.50	27	9	3.10
Liberty Hill	1.28	0.38	17	6	3.58
St. Ann's Bay	2.82	0.74	16	11	3.67
Richmond Estate	1.13	0.20	27	9	4.10
Runaway Bay	0.73	0.40	20	2	1.29
Knapdale	3.29	1.00	21	11	
Alexandria	1.21	0.43	13	5	3.18
Bel-Air	1.35	0.25	20	8	
Brown's Town	2.71	1.00	16	11	3.55
Wilton	3.47	1.65	23	11	
Watt Town, St. Ann	2.75	1.04	14	7	3.86
Home Castle	3.10	1.30	16	6	3.60
Arcadia	3.61	1.25	16	7	3.70
Vale Royal	2.63	0.70	15	8	4.09
Harmony Hall	2.80	1.40	26	6	2.56
Duncans	2.25	0.88	26	5	
Clark's Town	3.61	0.78	16	10	
Falmouth	2.30	1.10	26	6	2.40
The Hague					
Wales					

STATIONS.	June, 1937.					STATIONS.	June, 1937.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
NORTHERN DIVISION, contd.						WEST-CENTRAL DIVISION, contd.					
Adelphi	4.98	1.22	26	8		Mereworth	8.32	3.10	1	13	
Barrett Hall	2.55	0.95	26	4		Mandeville	8.03	2.14	1	16	2.82
Success	2.68	1.85	26	4	2.19	Ulster Spring	7.84	2.40	15	12	6.31
Rose Hall	1.93	1.06	26	4	2.70	Greenvale	4.57	0.90	26	13	
Cinnamon Hill	2.49	1.20	26	4	2.78	Albert Town	3.94	1.11	14	11	5.35
Tryall	1.75	0.65	26	5	5.08	Craig Head	3.46	2.75	15	3	
Running Gut	1.48	0.73	26	3	2.86	Warsop	7.06	1.95	12	9	
Spring Estate	1.50	0.75	26	4	2.63	Troy	6.05	2.04	11	9	8.13
Friendship	5.63	1.15	22	15	6.04	Wallingford	1.79	0.64	15	8	5.05
Retirement	5.62	1.47	22	15	6.82	Balacava	1.92	0.58	15	5	4.52
Rose Mount	4.67	2.17	22	13		Braes River					
Montego Bay	4.72	1.47	24	9	6.17	Wakefield	5.28	1.12	26	9	
Anchovy	6.41	1.67	17	17	6.78	Aberdeen	3.29	1.00	13	8	
Hopewell	5.98	3.00	17	10		Accompong	7.21	2.65	14	11	
Blue Hole	5.99	1.60	20	13	11.30	Maggotty	6.10	1.70	14	11	6.53
Cascade						Lacovia	4.21	2.62	13	4	
Lucea	7.67	1.72	26	17	7.90	Mulgrave	3.37	0.45	6	14	
Haughton Court					8.17	Holland	6.40	2.87	14	10	
Kendal—Hanover	9.59	2.12	14	17		Ipswich	2.89	0.79	26	11	
Cousins Cove	8.77	1.23	9	23		Ginger Hill	3.17	0.82	26	14	
Green River	8.85	2.12	14	19		Kempshot	5.18	1.32	17	19	8.57
Green Island	7.79	1.35	10	20	11.93	Mochó, St. James	10.06	2.25	24	11	
Haughton Hall	9.62	1.28	23	23		Bandon Pen	9.27	2.07	17	13	
CENTRAL SUB-DIVISION						Catadupa	9.82	3.88	24	16	9.83
Knollis	4.33	0.77	8	11		Cambridge	11.10	2.06	24	17	9.97
Highgate (St. Cath.)	3.64	1.39	8	12		New Market	8.61	2.16	24	11	7.99
Rio Magno	8.54	2.40	16	9		Kew Park	8.97	1.55	24	14	9.21
Riversdale	10.56	2.50	16	8		The Bog	6.58	1.66	14	11	8.37
Headworks, R.C.C.	2.00	1.28	13	3	4.56	Bethel Town Dist.	11.02	1.75	16	21	11.15
Bog Walk	1.77	0.60	21	5		Burnt Ground	8.91	2.57	14	20	10.07
Linstead	9.90	2.80	14	14	7.24	Haughton Grove					8.80
Ewarton	3.40	0.67	26	9		Darliston	8.27	1.39	14	15	10.53
Cave Valley	8.25	4.00	15	7	7.11	Bluefields	5.53	1.58	11	13	9.42
Guanaboa Vale						Whithorn	8.68	2.12	26	16	10.16
Point Hill	3.78	1.27	8	6	8.23	Water Works Pen	8.22	1.85	14	13	8.87
Brown's Hall	2.56	1.20	8	5	9.18	Williamsfield, Wld.	8.94	1.45	14	20	
Bellas Gate	1.06	0.66	7	10	1.82	Baulk	9.90	1.74	11	16	
Rock River	1.61	0.72	13	3		Askenish	14.94	3.83	22	19	15.10
Crofts Hill	4.17	0.75	1	11	3.52	Grange Hill	6.57	1.52	22	12	11.09
Far Enough	6.34	1.93	13	14		Mount Eagle	6.33	2.50	22	11	
Suttons	4.15	1.75	13	9		King's Vale	2.24	0.57	10	17	11.84
Colonel's Ridge	4.89	1.70	14	10		SOUTHERN DIVISION (S.)					
Chapeltor	3.88	1.48	13	13	5.98	Morant Point L.H.	1.68	0.64	26	11	5.59
Crooked River	5.32	2.97	13	9		Golden Grove					
James Hill	7.54	2.90	15	18		Pleasant Hill	3.33	0.77	26	18	3.79
Frankfield	5.78	2.82	13	7	4.37	East Prospect	2.24	0.78	26	17	6.38
WEST-CENTRAL DIVISION (W.C.)						Morant Bay	2.51	1.04	26	16	7.59
Mochó, Clarendon	3.90	1.96	1	7	6.25	Aeolus Valley	2.64	1.03	26	13	
Smithville	4.59	1.15	1	11		Yallahs	3.55	1.15	24	6	
Clarendon Park	2.66	1.45	1	11		Easington	2.72	0.87	26	10	7.36
Porus	2.71	1.29	1	5		Llandewey	2.31	1.09	27	6	
Boro-bridge	3.39	1.00	15	11		Mavis Bank	1.37	0.90	26	5	
Spaldings	3.58	2.40	10	12	4.10	Mavis Bank Factory					
Williamsfield	4.37	1.14	8	14		Bull Bay	0.50	0.50	26	1	3.90
Brokenhurst	8.86	3.86	1	9	9.92	Dallas Castle	1.30	1.12	26	7	
Shooters Hill	5.03	1.17	15	14	4.86	Gordon Town	1.99	1.64	26	5	4.40
Wait-a-bit	6.91	2.59	14	8		Irish Town	4.15	1.75	26	4	3.93
Christiana	4.56	1.70	13	11	5.96	Hope Gardens	1.70	1.27	26	8	4.66
Holmwood	3.88	1.02	13	7		Waireka					
Clifton Hill	9.17	3.30	1	7	4.06	Ivor					
Kendal, Manchester	5.14	1.25	15	9	7.05	Barbican	1.73	1.16	26	4	
						Plumb Point L. H.	1.50	1.50	26	1	3.85

		June, 1937.							June, 1937.				
STATIONS	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.	STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		
		Amount.	Date.					Amount.	Date.				
SOUTHERN DIVISION, <i>contd.</i>	Ins.	Ins.			Ins.	SOUTHERN DIVISION, <i>contd.</i>	Ins.	Ins.			Ins.		
King's House Gar.	1.23	1.02	26	4	3.82	Hog Hole, S. Man.					3.05		
Up-Park Camp	0.79	0.75	26	3		Stone's Hope	3.97	1.33	1	9	7.44		
Cavaliers	0.79	0.76	26	3		Newport, Man.	4.06	1.40	1	8	6.99		
St. Georges College	1.67	0.71	26	4		Alligator Pond	0.98	0.71	26	3	3.65		
Upper Kingston	0.90	0.68	26	6	0.99	Fairfield	3.84	1.60	1	15	5.32		
Parade Garden	0.68					Pepper							
Kingston P.W.O.	0.70	0.65	26	3	3.53	Myersville	0.46	0.30	27	2			
Constant Spring	3.18	1.23	14	6		Goshen	1.75	1.41	8	4			
Halfway Tree	0.75	0.70	26	2	3.24	Southfield, St. Eliz.	0.45	0.12	26	5	2.72		
Clifton Pen	1.30	0.74	26	2	3.43	Windsor, St. Eliz.	1.57	0.75	8	3			
Seaward Pen						Torrington	0.32	0.32	8	1	3.05		
Red Hills	0.74	0.43	26	8		Santa Cruz	2.26	0.94	13	3	5.15		
Quarantine Station	1.15	0.57	1	5	2.19	Hounslow	0.30	0.30	8	1			
Hematine	1.18	0.64	26	2	2.41	Pedro Plains					2.10		
Spanish Town	1.53	0.91	13	2	4.08	Mountainside	0.95	0.95	8	1	2.04		
The Stewartry						Fort Charles	0.42	0.42	8	1			
Hog Hole, St. Cath.	2.14	1.46	13	2	4.43	Black River	0.77	0.40	13	6	3.58		
Clairmont						Mt. Charles	3.13	1.25	14	9			
Old Harbour	1.12	0.62	1	3	5.30	Font Hill	2.70	1.00	11	6	4.74		
May Pen	1.69	0.72	1	7	5.11	Mount Edgecombe	7.19	1.32	13	11	6.11		
Glen Muir	1.17	0.70	1	3		Sweet River					7.18		
Cottage	0.93	0.50	1	4		Sav.-la-Mar	2.21	0.72	16	10	6.61		
Belle Plain	3.25	1.84	1	9		Little London	7.50	1.40	10	9	8.52		
Milk River	1.83	1.25	1	3	4.88	Retreat	3.48	1.02	6	6	7.39		
Retrieve	2.11	1.00	1	4	2.74	Negril Point L.H.	4.54	2.10	14	9	5.59		

## NOTES.

COMPARATIVE TABLE OF RAINFALL  
AND RAINY DAYS.

DIVISIONAL  AND  ISLAND RAINFALL.	June.			
	Rainfall.		Rainy Days.	
	1937.	Ave.	1937.	Ave.
	Ins.	Ins.		
North-Eastern	4.85	7.51	10	11
Northern	3.51	5.10	9	9
West-Central	6.92	8.57	12	13
Southern	2.24	4.93	6	8
The Island means	4.38	6.53	9	10

## SHOCKS OF EARTHQUAKE IN JUNE, 1937.

Date.	Standard Time. (Approx.)	Intensity.	Notes, where, etc.
		None Reported	

N.B.—IT IS PARTICULARLY REQUESTED THAT ALL RAINFALL POST CARDS BE SENT IN NOT LATER THAN THE 5TH OF EACH MONTH.

## THE ISLAND—JUNE.

The Mean Rainfall for the Island was deficient in all Divisions.

The greatest total fall for the month was 14.94 inches at Askenish in the West-Central Division, and the heaviest fall in 24 hours was 4.00 inches at Cave Valley in the Central Sub-Division on the 15th.

The mean number of rainy days was 9, which is one below the average for the month. Millbank in the North-Eastern Division, Cousins Cove and Haughton Hall in the Northern Division, had most rainy days—23 each.

The mean rainfall in each parish is given below compared with the 10-year average. Hanover, with 8.21 inches, was highest, Westmoreland, with 7.12 was second and Portland, with 5.18 inches was third. Kingston, with 1.09 inch was lowest. All parishes were below the average.

Parish.	1937.	10-year Avg.	Parish.	1937.	10-year Avg.
	Ins.	Ins.		Ins.	Ins.
Kingston ..	1.09	2.42	St. James ..	5.10	6.85
St. Andrew ..	3.26	4.21	Hanover ..	8.21	10.83
St. Thomas ..	3.57	8.64	Westmoreland	7.12	8.58
Portland ..	5.18	8.19	St. Elizabeth ..	2.78	4.46
St. Mary ..	3.95	4.85	Manchester ..	4.89	6.62
St. Ann ..	3.41	4.67	Clarendon ..	3.72	5.31
Trelawny ..	4.52	5.41	St. Catherine ..	4.37	5.71

The total rainfall for the first half of the year is given below, compared with the 60-year average and shews a deficit of 0.87 inch.

Month.	1937.	60-year Average.
January ..	4.35	4.00
February ..	2.62	3.13
March ..	3.15	3.35
April ..	3.84	4.77
May ..	11.34	8.77
June ..	4.38	6.53
	29.68	30.55

## CITY OF KINGSTON.

The total rainfall for the month of June was deficient shewing only 0.70 inch as against the 60-year average of 3.53 inches—representing one-fifth of the normal. There were three rainy days; the 49-year average being six. The upper boundary of Kingston gauged 0.90 inch with six rainy days.

Distant rain was observed to northward on ten days; to northeast, east, south and westward one day each.

Distant lightning observed to northward on four days and to N.E. on one day. Distant thunderstorm to northward on nine days and to west on one day.

The mean barometric pressure was 29.939 inches; as compared to the 33-year normal of 29.932 inches, showing 0.007 inch above the normal. Highest barometer reading 29.988 ins. on the 13th at 3 p.m. and the lowest was 29.859 ins. on the 25th at 7 a.m. corrected for diurnal variation.

The mean monthly temperatures, based upon four observations per day, was 81.1 degs.; the 33-year normal being 80.9 degs., shewing 0.2 degs. above the average. The highest maximum temperature was 90.9 degs. on the 20th, and the lowest minimum was 71.2 degs. on the 14th, representing a monthly extreme range of 19.7 degs. On the other hand the lowest maximum was 86.5 degs. on the 28th, and the highest minimum was 79.3 degs. on the 5th. The greatest daily range of temperature was 16.8 degs. on the 14th, 15th, and 18th, and the least was 8.8 degs. on the 28th. The maximum was above 90 degs. twice, and the minimum above 70 degs. throughout.

The mean daily miles of wind registered was 262, the 25-year normal being 239, or 11% above normal. The greatest number of miles recorded in 24 hours was 429 on the 5th and the least was 123 on the 26th. The highest velocity was 30 m.p.h. on the 5th at 4.20 p.m. The S.E. wind appeared early on 5 occasions and continued after 7 p.m. on 20. It prevailed throughout the night four times. Moderate S.E. squalls on 28th.

The mean relative humidity was 75%; the 33-year normal being 78%. Lowest 7 a.m. 61% on the 1st, and lowest 3 p.m. 53% on the 10th and 19th.

The sky was overcast in the early morning on 12 occasions and in the afternoon on 17.

Mean daily number of sunshine hours was 6.0.

## CAYMAN ISLANDS.

Government House, Georgetown, Grand Cayman.—Total rainfall for the month of June was 6.88 inches. Greatest fall in 24 hrs. 2.10 inches, on the 28th. Total number of rainy days 13.

## CORRIGENDUM.

W.R. No. 730. Jamaica Rainfall for the year 1935.

<i>North-Eastern Division—</i>			
Priestmans River	Total:	For	106.34 read 107.04
Belvedere	Total	For	84.84 read 83.84
Lucky Hill	August:	For	5.78 read 5.75
<i>Northern Division</i>			
Oracabessa	October 11	For	18.45 read 18.96
St. Ann's Bay	Total:	For	48.98 read 49.01
Alexandria	September	For	3.62 read 3.52
Running Gut	Average:	For	39.46 read 39.56
Kendal (Hanover)	Total:	For	97.89 read 94.89
Green Island	Total:	For	65.84 read 65.88
Do.	Average	For	78.10 read 78.16
Headworks R.C.C.	Average	For	53.48 read 52.42
<i>West-Central Division—</i>			
Lacovia	Total:	For	61.67 read 67.67
Askenish	Average	For	103.29 read 102.29
Kings Vale	Total:	For	51.62 read 52.02
<i>Southern Division—</i>			
Hope Gardens	Total:	For	63.75 read 53.75
King's House Garden	Average:	For	47.00 read 44.00
Cavaliers	August	For	5.65 read 5.63
Hematine	Average:	For	36.42 read 36.72
Milk River	December:	For	1.32 read 1.34
Mount Edgecombe	Total:	For	64.07 read 66.07.
<i>Parish Rainfall—</i>			
Portland	Average:	For	136.83 read 136.13

J. F. BRENNAN,  
Government Meteorologist.

Kingston, July 24th, 1937.





## JAMAICA

## WEATHER REPORT.

FOR THE MONTH OF

JULY, 1937.

The barometric pressures at all the Stations, except the Hill Gardens, are reduced to the standards of Kew 32", gravity at Lat. 45° and mean sea-level. The bar. at Hill Gardens is reduced to the first two standards only. Thermometers are exposed in Stevenson's Screen; their readings have been corrected for instrumental errors.

The miles of Wind per diem are measured by Robinson's Anemometers, the factor 3 being assumed correct for the four-cup instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky; the Lower (L) clouds are for the most part fracto-stratus; the Middle (M) clouds cumulus and the Upper (U) clouds, cirrus and cirro-stratus.

The rainfall is measured at 7 a.m., and entered as having fallen on the previous day.

The 75th Meridian Time West of Greenwich adopted from 1st February, 1912.

## METEOROLOGICAL RESULTS.

STATIONS.	Elevation.	Bar. Pressure		Temperature. (F.)					Extreme Temperature. (F.)				
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range.	Max.	Date.	Min.	Date.	Range.
	ft.	ins.	ins.	°	°	°	°	°	°		°		°
Morant Point Light House	8	29.993	29.972	82.8	85.7	87.8	79.6	8.2	90.3	31	74.9	22	15.4
Kingston	24	29.961	29.902	77.8	87.4	90.1	74.3	15.8	94.0	28	71.7	8	22.3
Negril Point Light House	33	29.971	29.950	78.2	84.0	88.3	73.2	15.1	92.5	2	70.5	16	22.0
Montego Bay	33	..	..	80.9	88.4	91.7	71.7	20.0	93.9	1*	68.2	18	25.7
Castleton Gardens	496	..	..	70.8	83.0	88.9	69.8	19.1	91.0	3	67.0	27	24.0
Hope Gardens*	668	30.004	29.946	75.9	87.2	91.5	71.4	20.1	95.0	16	69.0	9	26.0
Hill Gardens	4,900	25.303	25.280	64.5	68.0	..	..	..	..	..	..	..	..

STATIONS.	Elevation.	Dewpoint and Rel. Humidity.			Rainfall.	Wind, per diem.	Wind: direction from and miles per hour.				Amount of Cloud. Lower, Middle and Upper.						
		7 a.m.		3 p.m.			7 a.m.		3 p.m.		7 a.m.			3 p.m.			
	ft.	°	%	°	%	ins.	Mls.	Dir.	m.p.h.	Dir.	m.p.h.	L.	M.	U.	L.	M.	U.
Morant Point Light House	8	76	80	77	74	1.99	321	ENE	16.0	ENE	14.0	2.1	1.7	2.0	1.1	2.3	2.6
Kingston	24	70	77	73	64	0.22	227	NNE	4.7	SE	21.2	0.3	1.0	2.3	2.9	0.5	2.9
Negril Point Light House	33	71	81	75	76	6.00	114	NE	3.8	Var.	7.3	1.6	0.3	5.4	2.9	5.2	0.8
Montego Bay Castleton	33	73	77	74	65	1.16	..	ESE	..	NE	..	..	..	..	..	..	..
Gardens	496	69	95	77	84	7.40	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	71	83	72	62	1.71	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens	4,900	62	90	62	80	4.62	..	..	..	..	..	..	..	..	..	..	..

\* And on other days. Hope Gardens—observations made at 9 a.m. and 3 p.m.

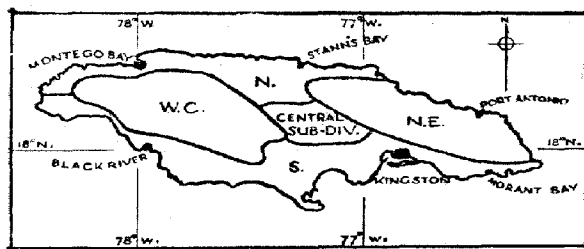
Montego Bay—observations made at 8 a.m. and 3 p.m.

## THE RAINFALL.

The first four columns contain all the information relating to the Rainfall for the month received for publication up to the time of sending this report to press; the last column contains the corresponding Rainfall average for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1929." In obtaining the mean Rainfall for the month only those stations are considered for which the average Rainfall has been also given in the last columns that the results derived from these two columns are comparable for each Division. These results are given in the comparative table at the end of this Rainfall Return so as to arrive at the mean for the whole Island, embracing the four Divisions.

The Northern Division comprises the northern shores from Port Maria to Davis' Cove, including the central part of the Island which forms the Central Sub-divisions; the Southern Division comprises the southern shores from Holland Bay to South Negril; the North-Eastern and West-Central Divisions are the remaining parts of the Island bounded by the sea and the other Divisions.

A Map showing these Rainfall Divisions is published in Mr. Maxwell Hall's "Rainfall of Jamaica," following page 27, 1911 Edition, and of page 83 of 1934 Edition, an outline of which is given below.



July, 1937.

STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
NORTH-EASTERN DIVISION (N.E.)					
Manchioneal	4.48	Ins.	Ins.		Ins.
Priestman's River		4.48	0.81	22	14
Bath	6.19	1.50	19	13	5.49
Barrett's Gap	7.86	1.50	19	16	5.64
Millbank	13.41	2.01	20	23	7.93
Comfort Castle	15.00	3.57	19	20	
Moore Town	15.23	2.05	22	20	
Port Antonio	8.04	2.55	10	11	16.27
Passley Garden	8.17	2.13	10	17	10.25
Fellowship	7.45	1.87	10	18	
Johnson River Br.	4.77	1.15	4	7	13.80
Trinity Ville	2.81	1.10	19	5	6.63
Fruitful Vale	11.15	5.12	10	7	
Hope Bay	11.19	4.97	10	14	
Cedar Valley	2.91	1.03	10	8	
Moy Hall					4.19
Paradise	11.20	5.50	10	15	5.16
Lennox	9.27	3.45	10	7	
Greenvale	3.77	1.16	22	6	
Darley	6.46	3.92	10	7	3.57
Spring Garden	8.23	3.26	10	9	
Hill Gardens	4.62	1.96	19	7	3.95
Buff Bay	8.15	3.50	10	12	3.36
Buff Bay R. Est.	4.92	2.28	10	8	6.15
Belvedere, Portland	3.70	2.00	10	3	
Windsor Castle, do.	7.15	2.56	10	8	2.37
Balcarres	3.71	1.30	22	7	3.89
Mt. Holstein	5.67	2.83	31	7	
Cedar Hurst	3.09	2.11	22	7	4.72
Hardware Gap	4.29	1.85	31	12	

July, 1937.

STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
NORTH-EASTERN DIVISION, contd.					
	Ins.	Ins.			Ins.
Rose Hill	2.88	1.90	31	9	5.40
Mount Cressy	8.59	3.60	31		
Hermitage	6.65	1.88	31	11	
Mount Airy	8.14	2.75	4	8	
Stony Hill Ind. Sch.	7.67	2.60	31	10	4.87
Boon Hall	9.98	4.25	31	11	
Brandon Hill	5.01	1.62	31	4	
Enfield	2.93	1.26	20	6	
Agualta Vale	2.47	0.85	19	6	3.15
Castleton Gardens	7.40	2.35	31	10	5.86
Water Valley	1.64	0.57	19	7	3.13
Albany	2.01	0.55	22	8	3.63
Lawrence Tavern	4.58	1.55	31	8	5.09
Wey Hill	5.19	2.36	4	7	
Richmond, St. Mary	3.56	0.95	19	5	3.26
Quebec, St. Mary	4.98	1.55	18	8	3.42
Above Rocks	8.24	2.59	31	9	
Glengoffe	4.84	1.40	4	8	
Carew Castle	8.63	2.13	30	10	6.24
Hampstead, St. Mary	1.80	0.80	22	4	2.87
Windsor Castle do.	2.18	0.80	4	5	
Troja	3.28	1.62	4	6	
Pear Tree Grove	2.50	1.00	31	4	
Guy's Hill	5.07	0.75	4	6	3.83
Lucky Hill	1.54	0.72	22	4	2.85
Rio Hoe	3.12	0.85	4	8	4.09
Unity Valley	4.95	2.23	4	11	5.49
Moneague	4.23	1.70	4	9	4.51
Claremont	1.56	0.60	19	6	3.23
Averham Park	0.89	0.35	31	4	2.91
Albion	2.07	0.72	22	7	3.98
NORTHERN DIVISION (N.).					
Port Maria	5.01	2.00	22	11	3.84
Wentworth	5.60	2.98	22	9	
Oracabessa	6.60	1.70	22	8	
Huddersfield	4.51	1.27	20	6	
Ocho Rios	1.77	0.60	22	6	2.10
Rockfield	1.78	0.60	23	7	2.91
Liberty Hill	1.40	0.90	30	3	2.08
St. Ann's Bay	2.30	0.90	31	8	2.83
Richmond Estate	1.14	0.50	31	5	2.20
Runaway Bay	1.07	0.25	22	5	1.06
Knapdale	4.10	2.50	31	7	
Alexandria	2.33	1.15	13	4	2.86
Bel-Air	1.65	0.75	31	7	
Brown's Town	1.73	1.08	31	8	2.39
Wilton	3.12	2.40	31	7	
Watt Town, St. Ann	1.75	1.02	31	5	3.00
Home Castle	2.90	2.50	31	3	2.18
Arcadia	3.41	2.70	31	6	2.16
Vale Royal	3.13	2.35	31	8	2.64
Harmony Hall	1.69	0.80	31	5	1.45
Duncans	0.83	0.46	31	6	
Clark's Town	2.66	1.30	31	6	
Falmouth	0.70	0.52	20	2	1.46
The Hague					
Wales					

STATIONS.	July, 1937.					STATIONS.	July, 1937.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
NORTHERN DIVISION, <i>contd.</i>						WEST-CENTRAL DIVISION, <i>contd.</i>					
Adelphi	1.55	0.42	31	5		Mereworth	5.29	1.90	31	13	
Barrett Hall						Mandeville	4.97	2.00	31	14	5.32
Success					1.30	Ulster Spring	5.75	2.40	31	10	5.35
Rose Hall					1.13	Greenvale	5.49	1.63	31	14	
Cinnamon Hill					1.18	Albert Town	4.96	1.91	31	7	4.92
Tryall					3.54	Craig Head	5.60	1.12	11	7	
Running Gut					1.24	Warsop	6.68	2.05	31	6	
Spring Estate					1.44	Troy	6.55	1.90	9	8	6.94
Friendship	1.07	0.55	31	6	2.88	Wallingford	7.78	1.85	6	14	5.18
Retirement	1.87	0.75	31	8	4.01	Balaclava	5.47	1.58	7	11	4.69
Rose Mount	1.79	0.79	13	7		Braes River	3.00	1.20	31	12	
Montego Bay	1.16	0.59	10	3	3.21	Wakefield	2.29	0.57	10	7	
Anchovy	2.26	0.63	6	10	4.49	Aberdeen	8.05	2.65	26	7	
Hopewell	2.33	0.64	31	9		Accompong	9.42	3.02	30	8	
Blue Hole	3.66	1.79	6	7	5.85	Maggotty	4.58	1.33	30	11	8.35
Cascade						Lacovia	9.70	3.26	30	10	
Lucea	3.50	0.91	30	8	4.93	Mulgrave	9.89	1.80	30	12	
Haughton Court					4.63	Holland					
Kendal—Hanover	15.78	3.75	13	17		Ipswich	6.92	1.65	6	11	
Cousins Cove	6.26	1.88	29	16		Ginger Hill	9.75	2.18	23	17	
Green River	10.79	2.56	30	18		Kempshot	3.51	1.38	25	16	5.68
Green Island	7.63	1.30	30	15	8.59	Mochó, St. James	13.65	6.60	30	9	
Haughton Hall	5.92	1.05	13	19		Bandon Pen	10.30	4.42	6	9	
CENTRAL SUB-DIVISION						Catadupa	11.32	3.38	30	15	9.36
Knollis	7.31	1.50	31	11		Cambridge	9.68	2.61	6	15	9.59
Highgate (St. Cath.)	11.88	2.50	4	15		New Market	9.22	2.30	23	14	8.36
Rio Magno	2.25	1.05	31	3		Kew Park	13.07	2.00	30	13	9.85
Riversdale	9.47	1.83	30	6		The Bog	7.89	1.90	23	18	9.11
Headworks, R.C.C.	8.22	2.50	31	8	2.99	Bethel Town Dist.	13.39	2.86	20	19	14.74
Bog Walk	6.20	1.80	31	7		Burnt Ground					8.81
Linstead	7.10	1.50	25	9	5.88	Haughton Grove					8.47
Ewerton	4.90	1.87	25	8		Darliston	15.49	2.47	23	18	11.42
Cave Valley	2.63	1.40	11	6	4.54	Bluefields	10.44	2.72	23	20	9.32
Guanaboa Vale	7.66	2.41	30	9		Whithorn	16.06	3.07	13	21	10.12
Point Hill	7.66	1.10	31	11	6.17	Water Works Pen	13.94	2.60	23	21	9.40
Brown's Hall	6.18	1.75	31	9	5.20	Williamsfield, Wld.	14.39	1.60	30	16	
Bellas Gate	3.78	1.10	30	9	1.30	Baulk	9.74	1.30	13	17	
Rock River	3.82	1.50	4	5		Askenish					10.38
Crofts Hill	4.65	1.15	31	10	2.68	Grange Hill	9.30	2.00	23	17	11.11
Far Enough	4.63	0.96	31	12		Mount Eagle	9.73	2.24	23	13	
Suttons	6.28	1.95	4	12		King's Vale					9.82
Colonel's Ridge	4.63	0.78	12	10		SOUTHERN DIVISION (S.)					
Chapeltor	4.67	1.15	30	12	3.12	Morant Point L.H.	1.99	0.51	22	14	3.17
Crooked River	4.06	1.02	3	12		Golden Grove					
James Hill	7.59	1.70	10	14		Pleasant Hill	4.00	0.76	22	18	3.19
Frankfield	7.40	1.82	12	11	4.50	East Prospect	4.20	1.03	19	19	4.30
WEST-CENTRAL DIVISION (W.C.)						Morant Bay	3.92	1.34	19	16	4.95
Mochó, Clarendon	3.84	1.53	4	7	3.46	Aeolus Valley	3.82	0.92	4	11	
Smithville	7.10	1.77	30	11		Yallahs	1.76	1.00	8	4	
Clarendon Park	2.62	0.67	12	11		Easington	1.70	0.55	19	9	4.87
Porus	3.46	0.98	30	8		Llandewey					
Borobridge	4.85	2.00	10	9		Mavis Bank	0.49	0.16	10	4	
Spaldings	6.34	1.52	31	11	3.79	Mavis Bank Factory					
Williamsfield	5.12	0.76	23	13		Bull Bay	0.00				1.68
Brokenhurst	5.64	1.50	31	12	4.73	Dallas Castle	3.86	2.69	31	6	
Shooters Hill	4.38	1.10	31	13	4.88	Gordon Town	0.64	0.27	30	3	2.33
Wait-a-bit	6.45	2.50	31	5		Irish Town	2.15	0.98	30	7	1.73
Christiana	6.86	2.54	31	14	4.09	Hope Gardens	1.71	0.60	30	11	2.50
Holmwood	5.01	1.15	22	10		Waireka					
Clifton Hill	4.35	1.75	31	6	4.97	Ivor					
Kendal, Manchester	4.64	0.89	31	12	5.13	Barbican					
						Plumb Point L. H.	0.25	0.15	19	2	1.75

STATIONS	July, 1937.					STATIONS.	July, 1937.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
SOUTHERN DIVISION, <i>contd.</i>	Ins.	Ins.			Ins.	SOUTHERN DIVISION, <i>contd.</i>	Ins.	Ins.			Ins.
King's House Gar.	1.05	0.45	30	6	2.37	Hog Hole, S. Man.					2.84
Up-Park Camp						Stone's Hope	4.33	1.22	31	10	3.50
Cavaliers	1.04	0.86	31	4		Newport, Man.	4.00	0.78	4	10	3.28
St. Georges College						Alligator Pond	1.93	0.59	19	4	2.01
Upper Kingston	0.43	0.24	31	4	1.58	Fairfield	1.99	0.60	30	13	2.69
Parade Garden						Pepper					
Kingston P.W.O.	0.22	0.13	22	4	1.53	Myersville	1.41	0.77	31	4	
Constant Spring	5.36	1.85	31	8		Goshen	3.17	1.53	30	5	
Halfway Tree	0.67	0.24	31	7	1.53	Southfield, St. Eliz.	2.21	0.55	30	8	1.88
Clifton Pen	0.85	0.50	31	3	1.33	Windsor, St. Eliz.	4.95	1.75	7	11	
Seaward Pen						Torrington	2.71	0.75	26	6	2.29
Red Hills	2.94	0.96	31	11		Santa Cruz	6.66	3.02	31	9	5.25
Quarantine Station	0.39	0.31	23	3	0.92	Hounslow	2.45	0.90	26	7	
Hematine	2.00	1.25	31	4	1.14	Pedro Plains	1.01	0.34	30	4	1.52
Spanish Town	3.08	2.41	31	4	1.90	Mountainside	3.10	1.15	7	7	2.81
The Stewartry						Fort Charles	0.69	0.39	8	2	
Hog Hole, St. Cath.	6.10	4.41	31	6	2.19	Black River	7.65	2.25	22	11	4.52
Clairmont						Mt. Charles	6.53	2.16	30	12	
Old Harbour	1.58	0.70	31	5	1.99	Font Hill	11.90	3.00	7	11	5.45
May Pen	3.36	0.77	22	9	2.76	Mount Edgecombe	8.35	2.29	13	16	6.82
Glen Muir	2.45	0.90	31	4		Sweet River					7.46
Cottage	0.72	0.41	19	4		Sav.-la-Mar	10.95	4.64	23	16	6.10
Belle Plain	2.12	1.30	4	10		Little London	12.35	4.05	23	13	6.20
Milk River	1.06	0.45	19	4	1.62	Retreat					7.43
Retrieve	0.52	0.44	22	2	1.53	Negril Point L.H.	6.00	0.93	25	20	5.83

## NOTES.

COMPARATIVE TABLE OF RAINFALL  
AND RAINY DAYS.

DIVISIONAL  AND  ISLAND RAINFALL.	July.			
	Rainfall.		Rainy Days.	
	1937.	Ave.	1937.	Ave.
	Ins.	Ins.		
North-Eastern	4.87	5.25	9	10
Northern	3.40	3.19	8	7
West-Central	8.05	7.56	12	13
Southern	3.34	2.99	8	7
The Island means	4.92	4.75	9	9

## SHOCKS OF EARTHQUAKE IN JULY, 1937.

Date.	Standard Time. (Approx.)	Intensity.	Notes, where, etc.
None Reported			

N.B.—IT IS PARTICULARLY REQUESTED THAT ALL RAINFALL POST CARDS BE SENT IN NOT LATER THAN THE 5TH OF EACH MONTH.

## THE ISLAND—JULY.

The mean rainfall for the Island was slightly above the average in all Divisions except the North-eastern.

The greatest total fall for the month was 16.06 inches at Whithorn in the West Central Division, and the heaviest fall in 24 hours was 5.50 inches at Paradise in the North-eastern Division on the 10th.

No rain fell at Bull Bay in the Southern Division.

The mean number of rainy days was 9, which is the average for the month. The Station with most rainy days was Millbank with 23.

The mean rainfall in each parish is given below compared with the 10-year average. Westmoreland, with 11.41 inches, was highest; Portland, with 8.07 inches was second; and Hanover, with 6.98 inches was third. Kingston, with 0.30 inches was lowest.

Parish.	1937.	10 year Average.	Parish.	1937.	10-year Average.
	Inches.	Inches.		Inches.	Inches.
Kingston	0.30	3.02	St. James	5.29	4.80
St. Andrew	3.97	4.74	Hanover	6.98	7.84
St. Thomas	3.83	6.90	Westmoreland	11.41	8.93
Portland	8.07	9.21	St. Elizabeth	5.76	4.80
St. Mary	3.83	3.95	Manchester	4.33	5.70
St. Ann	2.32	3.35	Clarendon	4.33	5.07
Trelawny	3.76	3.86	St. Catherine	5.46	5.03

## CITY OF KINGSTON.

The total rainfall for the month of July, 1937, was only 0.22 of an inch; the 60-year normal being 1.53 inch. The greatest fall in 24 hours was 0.13 inch on the 22nd. There were four rainy days. The upper boundary of Kingston gauged 0.43 of an inch with four rainy days.

The days upon which distant rain was observed are as follows:—To northward six, to north-eastward four, to eastward one, and to north-westward five.

Distant thunderstorm to northward four days, to northeast one, to southeast one, and to northwest four. Distant lightning to northward two days, to northeast three, and to east-south-east once. Local thunderstorm on the 31st.

The mean barometric pressure was 29.952 inches, shewing 0.008 inch below the 33-year normal of 29.950 ins. The highest barometer reading was 30.045 ins. on the 1st at 3 p.m., and the lowest was 29.881 ins. on the 8th at 7 a.m., corrected for diurnal variation.

The mean monthly temperature, based upon four observations per day, was 81.9 degs., the 33-year average being 81.4 degs., shewing 0.5 degs. above the normal. The highest maximum was 94.0 degs. on the 28th being the highest since September, 1935, and the lowest minimum was 71.7 degs. on the 8th, giving an extreme monthly range of 22.3 degs. On the other hand the lowest maximum was 87.5 degs. on the 4th and the highest minimum was 80.3 degs. on the 1st owing to the prevailing S.E. wind throughout the previous night. The maximum was 90 degs. and above on eighteen days, and the minimum was above 70 degs. throughout. Greatest daily range was 19.8 degs. on the 20th, and the least range was 8.9 degs. on the 1st.

The mean daily miles of wind registered was 227 which corresponds to the 25-year normal. The greatest number of miles of wind recorded in 24 hours was 483 on the 1st and the least was 131 on the 5th and 21st. The highest hourly velocity was 30 m.p.h. on the 3rd at 2.30 p.m. South-easterly wind appeared early on two occasions and continued until after 7 p.m. on 20 occasions. South-easterly squalls on the 10th and 12th.

The mean relative humidity was 74%, the 33-year normal being 76%. The mean 7 a.m. was 77%, and the 3 p.m. 64%. The lowest 7 a.m. was 65% on the 10th, and the lowest 3 p.m. 45% on the 15th.

Overcast conditions prevailed in the forenoon on ten occasions and in the afternoon on fifteen.

The total evaporation for July was 7.67 inches; the ten-year normal being 7.87 ins.

The mean daily number of sunshine hours was 8.2.

## CAYMAN ISLAND.

Government House, Georgetown, Grand Cayman.—Total rainfall for the month of July was 5.07 inches. Greatest fall in 24 hours 2.24 inches on the 11th with 6 rainy days.

J. F. BRENNAN,  
Government Meteorologist.

Kingston, Jamaica.  
August 20th, 1937.

No. 734.



JAMAICA

# WEATHER REPORT.

FOR THE MONTH OF

AUGUST, 1937.

The barometric pressures at all the Stations, except the Hill Gardens, are reduced to the standards of Kew 32°, gravity at Lat. 45° and mean sea-level. The bar. at Hill Gardens is reduced to the first two standards only. Thermometers are exposed in Stevenson's Screen; their readings have been corrected for instrumental errors.

The miles of Wind per diem are measured by Robinson's Anemometers, the factor 3 being assumed correct for the four-cup instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky; the Lower (L) clouds are for the most part fracto-stratus; the Middle (M) clouds cumulus and the Upper (U) clouds, cirrus and cirro-stratus.

The rainfall is measured at 7 a.m., and entered as having fallen on the previous day.

The 75th Meridian Time West of Greenwich adopted from 1st February, 1912.

## METEOROLOGICAL RESULTS.

STATIONS.	Elevation.	Bar. Pressure		Temperature. (F.)					Extreme Temperature. (F)				
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range.	Max.	Date.	Min.	Date.	Range.
	ft.	ins.	ins.	°	°	°	°	°	°	°	°	°	°
Morant Point Light House	8	29.948	29.925	82.2	86.6	89.0	78.2	10.8	90.4	23*	73.3	5	17.1
Kingston	24	29.933	29.886	76.6	86.6	89.1	73.9	15.2	92.8	25	70.8	11	22.0
Negril Point Light House	33	29.941	29.907	78.0	85.5	88.5	73.6	14.9	92.3	25	71.7	19	20.6
Montego Bay	33	..	..	81.1	87.2	91.8	72.1	19.7	94.5	15	70.4	20	24.1
Castleton Gardens	496	..	..	71.1	81.5	87.7	70.1	17.6	90.0	7	67.0	5	23.0
Hope Gardens*	668	29.978	29.906	74.7	85.3	88.8	71.0	17.8	95.0	25	69.0	3	26.0
Hill Gardens	4,900	25.261	25.257	63.6	66.6	..	..	..	..	..	..	..	..

STATIONS.	Elevation.	Dewpoint and Rel. Humidity.				Rainfall.	Wind per diem.	Wind: direction from and miles per hour.				Amount of Cloud. Lower, Middle and Upper.					
		7 a.m.		3 p.m.				7 a.m.		3 p.m.		7 a.m.			3 p.m.		
	ft.	°	%	°	%	ins.	Mls.	Dir.	m.p.h.	Dir.	m.p.h.	L.	M.	U.	L.	M.	U.
Morant Point Light House	8	76	82	77	72	5.12	249	ENE	9.0	ENE	11.0	1.6	1.6	2.3	0.6	3.0	2.4
Kingston	24	71	83	75	71	4.76	174	N	4.2	SE	14.3	0.8	0.3	2.5	3.5	1.5	1.5
Negril Point Light House	33	74	86	76	72	2.28	102	NE	2.5	Var.	7.1	0.3	0.6	6.3	1.3	6.8	0.7
Montego Bay Castleton	33	74	79	76	70	2.46	..	SE	3.0	NE	15.0	..	..	..	..	..	..
Gardens	496	69	95	77	87	14.12	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	71	85	71	64	6.47	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens	4,900	62	92	62	83	7.39	..	..	..	..	..	..	..	..	..	..	..

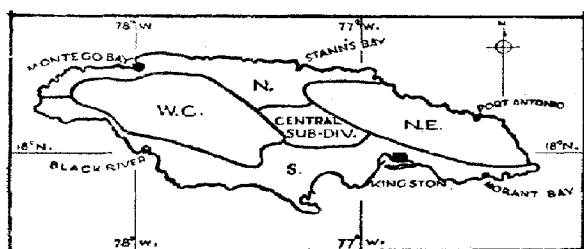
\* And on other days. Hope Gardens—observations made at 9 a.m. and 3 p.m.  
Montego Bay—observations made at 8 a.m. and 3 p.m.

## THE RAINFALL.

The first four columns contain all the information relating to the Rainfall for the month received for publication up to the time of sending this report to press; the last column contains the corresponding Rainfall average for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1929." In obtaining the mean Rainfall for the month only those stations are considered for which the average Rainfall has been also given in the last columns that the results derived from these two columns are comparable for each Division. These results are given in the comparative table at the end of this Rainfall Return so as to arrive at the mean for the whole Island, embracing the four Divisions.

The Northern Division comprises the northern shores from Port Maria to Davis' Cove, including the central part of the Island which forms the Central Sub-divisions; the Southern Division comprises the southern shores from Holland Bay to South Negril; the North-Eastern and West-Central Divisions are the remaining parts of the Island bounded by the sea and the other Divisions.

A Map showing these Rainfall Divisions is published in Mr. Maxwell Hall's "Rainfall of Jamaica," following page 27, 1911 Edition, and of page 33 of 1934 Edition, an outline of which is given below.



August, 1937.

STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
NORTH-EASTERN DIVISION (N.E.)					
Manchioneal	10.13	2.98	31	19	7.09
Priestman's River	2.00	1.20	28	6	8.00
Bath	9.57	2.20	2	12	9.98
Barrett's Gap	10.75	2.86	3	16	
Millbank	14.00	2.86	31	20	
Comfort Castle	13.88	3.14	2	20	
Moore Town	20.30	2.30	2	20	15.77
Port Antonio	13.82	3.20	10	24	11.62
Passley Garden	12.08	1.94	19	22	
Fellowship	11.01	2.44	10	17	14.25
Johnson River Br.	6.83	2.30	2	10	10.01
Trinity Ville	7.77	2.72	10	12	
Fruitful Vale	5.30	1.32	19	11	
Hope Bay	10.31	3.65	19	17	
Cedar Valley	10.91	5.57	10	10	9.23
Moy Hall					10.44
Paradise	5.78	1.20	19	13	
Lennox	5.56	2.19	17	7	
Greenvale	3.87	0.89	28	9	5.80
Darley	7.16	1.90	11	17	
Spring Garden	5.29	2.00	19	12	6.52
Hill Gardens	7.39	3.56	10	14	7.80
Buff Bay	6.01	1.96	19	15	5.87
Buff Bay R. Est.	5.17	2.71	20	9	
Belvedere, Portland	3.50	2.00	19	5	5.35
Windsor Castle, do.	5.77	1.53	19	9	5.49
Balcarras	3.38	1.05	10	7	
Mt. Holstein	4.09	1.32	11	10	7.02
Cedar Hurst	8.83	2.95	22	14	
Hardware Gap	12.07	3.45	27	16	7.22

August, 1937.

STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
NORTH-EASTERN DIVISION, contd.					
Rose Hill ..	4.52	1.09	22	10	9.92
Mount Cressy ..	8.22	2.03	22	..	..
Hermitage ..	5.79	1.88	10	18	..
Mount Airy ..	9.10	2.30	22	16	..
Stony Hill Ind. Sch.	8.18	2.48	10	15	8.86
Boon Hall ..	8.87	3.45	22	16	..
Brandon Hill ..	9.08	2.74	18	12	..
Enfield ..	4.32	1.50	19	7	..
Agualta Vale ..	4.89	1.31	19	14	4.28
Castleton Gardens	14.12	3.75	22	15	9.83
Water Valley ..	3.92	1.03	25	8	4.31
Albany ..	4.63	1.39	25	10	4.01
Lawrence Tavern ..	11.93	4.00	22	13	8.23
Wey Hill ..	8.38	2.49	10	11	..
Richmond, St. Mary	6.68	2.30	22	8	5.05
Quebec, St. Mary	6.08	1.65	21	12	4.50
Above Rocks ..	10.07	2.50	22	11	..
Glengoffe ..	7.16	1.56	10	13	..
Carew Castle ..	3.37	1.75	10	6	10.06
Hampstead, St. Mary	5.40	1.15	10	9	4.39
Windsor Castle do.	5.02	0.88	10	11	..
Troja ..	6.76	2.15	22	8	..
Pear Tree Grove ..	5.40	1.88	22	11	..
Guy's Hill ..	5.25	1.24	27	13	4.13
Lucky Hill ..	4.87	1.15	25	13	4.66
Rio Hoe ..	5.49	1.62	29	8	5.86
Unity Valley ..	3.08	0.95	10	11	6.60
Moneague ..	3.67	0.72	10	12	6.69
Claremont ..	2.80	0.52	10	12	5.08
Averham Park ..	3.53	1.20	28	8	4.59
Albion ..	2.43	0.59	10	10	6.01
NORTHERN DIVISION (N.).					
Port Maria ..	8.07	2.76	21	14	4.94
Wentworth ..	7.90	3.00	21	12	..
Oracabessa ..	11.28	5.60	19	11	..
Huddersfield ..	6.40	4.25	22	4	..
Ocho Rios ..	4.51	1.72	19	7	2.99
Rockfield ..	3.46	1.40	29	9	4.30
Liberty Hill ..	2.70	1.00	28	7	3.19
St. Ann's Bay ..	4.76	1.81	19	12	3.07
Richmond Estate ..	2.51	0.71	19	13	3.04
Runaway Bay ..	2.17	0.97	19	3	1.88
Knapdale ..	2.30	0.58	28	8	..
Alexandria ..	1.35	0.32	18	6	3.86
Bel-Air ..	2.45	0.70	21	9	..
Brown's Town ..	3.33	1.90	28	12	3.96
Wilton ..	1.95	0.48	2	8	..
Watt Town, St. Ann	1.36	0.53	26	8	4.58
Home Castle ..	3.91	1.65	2	9	3.43
Arcadia ..	3.68	0.83	2	12	3.27
Vale Royal ..	3.37	0.66	2	12	4.55
Harmony Hall ..	3.36	0.70	18	7	2.35
Duncans ..	4.32	1.05	18	8	..
Clark's Town ..	3.12	1.00	2	9	..
Falmouth ..	2.96	0.90	18	8	2.48
The Hague ..					
Wales ..					

STATIONS.	August, 1937.					STATIONS.	August, 1937.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
NORTHERN DIVISION, contd.						WEST-CENTRAL DIVISION, contd.					
Adelphi	3.37	1.52	27	9		Mereworth	10.06	2.90	10	14	
Barrett Hall	1.11	0.53	3	4		Mandeville	10.89	2.90	10	19	8.53
Success	1.53	0.90	2	3	2.11	Ulster Spring	5.74	2.30	10	11	8.54
Rose Hall	1.69	0.62	2	6	2.06	Greenvale	5.07	1.10	10	13	
Cinnamon Hill	2.24	1.30	2	7	2.19	Albert Town	7.06	2.00	29	12	9.25
Tryall	2.02	1.05	2	4	5.04	Craig Head	6.83	1.33	15	9	
Running Gut	1.25	0.48	2	5	2.43	Warsop	8.51	1.45	1	14	
Spring Estate	1.45	0.75	2	4	2.44	Troy	10.80	1.50	23	14	10.09
Friendship	3.20	0.45	28	13	5.63	Wallingford	14.37	3.05	31	18	10.33
Retirement	4.90	0.87	18	12	6.11	Balaclava	9.98	2.40	31	14	7.97
Rose Mount	2.35	0.91	18	9		Braes River					
Montego Bay	2.46	1.22	18	9	5.12	Wakefield	2.22	1.14	12	8	
Anchovy	4.67	0.87	5	11	6.55	Aberdeen	13.46	2.88	31	16	
Hopewell	3.61	0.65	28	10		Accompong	18.92	2.58	21	24	
Blue Hole	3.47	0.89	23	7	7.20	Maggotty	15.58	2.36	31	18	11.21
Cascade	16.00	2.65	16	20		Lacovia	10.87	2.17	27	15	
Lucea	8.05	1.54	23	11	6.29	Mulgrave	10.16	1.25	31	24	
Haughton Court					6.65	Holland					
Kendal—Hanover	9.51	1.92	27	15		Ipswich	8.54	1.16	10	21	
Cousins Cove	5.48	1.23	6	15		Ginger Hill	7.31	1.97	10	13	
Green River	5.99	1.35	15	12		Kempshot	3.90	0.82	18	14	7.87
Green Island	5.30	2.22	6	12	9.48	Mocho, St. James	13.92	2.50	22	13	
Haughton Hall	4.37	1.25	10	14		Bandon Pen	9.68	1.82	5	14	
CENTRAL SUB-DIVISION						Catadupa	9.55	1.74	18	11	13.41
Knollis	8.41	2.00	10	15		Cambridge	11.93	2.80	12	6	11.05
Highgate (St. Cath.)	9.07	1.80	10	21		New Market	10.22	1.76	10	19	13.12
Rio Magno	5.54	1.42	12	12		Kew Park	9.99	2.35	27	17	12.12
Riversdale	3.83	1.65	10	5		The Bog	11.92	1.52	1	20	13.91
Headworks, R.C.C.	5.42	2.49	10	9	5.55	Bethel Town Dist.	9.24	1.50	27	20	14.10
Bog Walk	7.54	1.80	10	13		Burnt Ground	10.58	2.41	23	18	11.09
Linstead	6.50	2.00	10	9	8.62	Haughton Grove					11.30
Ewarton	4.41	1.87	10	8		Darliston	11.58	3.69	18	19	15.00
Cave Valley	4.94	2.00	1	6	7.42	Bluefields	11.11	1.97	31	23	11.75
Guanaboa Vale	7.21	2.12	10	10		Whithorn	7.29	1.00	18	18	11.74
Point Hill	14.68	3.64	10	15	10.25	Water Works Pen	7.06	1.50	30	14	12.72
Brown's Hall	11.09	1.89	8	17	7.88	Williamsfield, Wld.	7.53	1.40	28	15	
Bellas Gate	12.13	3.00	10	17	5.95	Baulk	5.98	0.90	18	17	
Rock River	9.53	3.00	10	9		Askenish	7.12	1.42	18	13	12.78
Crofts Hill	13.90	3.00	10	17	7.71	Grange Hill	4.50	1.03	8	13	13.06
Far Enough	7.48	2.08	1	15		Mount Eagle	4.51	1.50	8	11	
Suttons	9.99	2.85	23	9		King's Vale	1.45	0.43	6	10	10.61
Colonel's Ridge	9.40	2.16	31	15		SOUTHERN DIVISION (S.)					
Chapelton	6.28	2.50	10	12	6.31	Morant Point L.H.	5.12	1.81	31	18	5.05
Crooked River	9.57	1.92	27	19		Golden Grove					
James Hill	8.47	2.27	10	17		Pleasant Hill	9.28	2.32	31	18	6.87
Frankfield	9.40	1.70	31	17	7.82	East Prospect	6.23	1.16	31	20	6.69
WEST-CENTRAL DIVISION (W.C.)						Morant Bay	4.66	0.97	10	17	6.43
Mocho, Clarendon	7.88	3.57	10	7	6.79	Aeolus Valley	8.18	4.00	2	13	
Smithville	8.81	1.60	10	16		Yallahs	6.01	2.40	2	4	
Clarendon Park	9.36	1.95	10	14		Easington	6.34	1.46	1	12	6.67
Porus	6.24	2.30	10	9		Llandewey	1.00	0.57	19	3	
Borobridge	4.88	2.00	10	6		Mavis Bank					
Spaldings	4.70	1.31	10	13	7.26	Mavis Bank Factory					
Williamsfield	9.58	1.95	10	15		Bull Bay	4.14	3.20	10	5	2.54
Brokenhurst	12.95	3.29	10	14	8.16	Dallas Castle	8.93	4.33	10	12	
Shooters Hill	5.40	1.74	10	7	7.38	Gordon Town	9.85	3.37	10	13	5.09
Wait-a-bit	7.20	1.27	24	12		Irish Town	14.57	3.90	10	12	5.95
Christiana	6.03	1.65	10	13	7.03	Hope Gardens	6.47	3.52	10	12	5.81
Holmwood	3.66	0.93	2	10		Waireka					
Clifton Hill	8.35	2.15	10	9	8.46	Ivor					
Kendal, Manchester	7.45	2.35	10	10	8.13	Barbican	4.31	4.00	31	9	
						Plumb Point L. H.	5.65	4.50	10	7	3.47



STATIONS.	August, 1937.					STATIONS.	August, 1937.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
SOUTHERN DIVISION, <i>contd.</i>	Ins.	Ins.			Ins.	SOUTHERN DIVISION, <i>contd.</i>	Ins.	Ins.			Ins.
King's House Gar. . .	6.98	3.60	10	8	4.90	Hog Hole, S. Man. . .	..	..	..	..	7.17
Up-Park Camp . . .	6.30	0.76	17	14	..	Stone's Hope . . .	8.57	3.45	10	10	6.48
Cavaliers . . .	6.29	3.58	11	12	..	Newport, Man. . .	7.64	2.80	10	11	7.35
St. Georges College . .	5.72	3.12	10	8	..	Alligator Pond . . .	4.54	1.72	10	8	4.13
Upper Kingston . . .	5.65	3.32	10	12	4.83	Fairfield . . .	6.57	3.11	10	19	6.16
Parade Garden . . .	4.61	2.89	10	8	..	Pepper . . .	..	..	..	..	..
Kingston P.W.O. . .	4.76	3.30	10	9	3.60	Myersville . . .	5.23	2.14	14	9	..
Constant Spring . . .	8.24	3.05	11	11	..	Goshen . . .	10.04	3.75	27	13	..
Halfway Tree . . .	3.24	0.90	17	9	3.84	Southfield, St. Eliz. .	6.02	2.13	10	10	6.29
Clifton Pen . . .	5.95	4.15	10	8	3.91	Windsor, St. Eliz. . .	7.29	1.30	10	18	..
Seaward Pen . . .	2.65	1.90	10	5	..	Torrington . . .	3.31	1.54	10	6	5.54
Red Hills . . .	7.53	2.35	10	16	..	Santa Cruz . . .	12.26	2.04	30	13	9.25
Quarantine Station . .	5.24	3.17	11	8	2.56	Hounslow . . .	4.30	1.60	17	7	..
Hematine . . .	4.64	2.30	10	8	3.66	Pedro Plains . . .	2.48	1.21	10	5	2.92
Spanish Town . . .	4.42	2.17	10	6	3.87	Mountainside . . .	3.98	1.76	10	19	5.38
The Stewartry . . .	..	..	..	..	..	Fort Charles . . .	..	..	..	..	..
Hog Hole, St. Cath. . .	5.42	2.49	10	9	4.25	Black River . . .	8.32	2.50	30	14	6.31
Clairmont . . .	..	..	..	..	..	Mt. Charles . . .	6.91	1.20	15	17	..
Old Harbour . . .	7.46	3.20	10	10	4.71	Font Hill . . .	8.75	2.15	21	13	6.27
May Pen . . .	7.73	2.20	10	14	5.26	Mount Edgecombe . .	10.28	1.87	10	18	8.46
Glen Muir . . .	5.30	2.35	10	6	..	Sweet River . . .	..	..	..	..	9.16
Cottage . . .	5.87	2.24	10	8	..	Sav.-la-Mar . . .	4.45	1.82	31	10	7.86
Belle Plain . . .	9.86	3.16	21	12	..	Little London . . .	6.51	1.10	1	11	6.66
Milk River . . .	4.74	2.25	10	6	4.26	Retreat . . .	..	..	..	..	8.42
Retrieve . . .	7.08	3.42	10	10	4.06	Negril Point L.H. . .	2.28	0.46	31	17	6.50

## NOTES.

COMPARATIVE TABLE OF RAINFALL  
AND RAINY DAYS.

DIVISIONAL AND ISLAND RAINFALL.	August.			
	Rainfall.		Rainy Days.	
	1937.	Ave.	1937.	Ave.
	Ins.	Ins.		
North-Eastern . . .	6.80	7.41	12	11
Northern . . .	4.81	4.89	11	9
West-Central . . .	8.78	10.17	14	15
Southern . . .	6.36	5.27	11	10
The Island means . .	6.69	6.93	12	11

## SHOCKS OF EARTHQUAKE IN August, 1937.

Date.	Standard Time. (Approx.)	Intensity.	Notes, where, etc.
None reported			

N.B.—IT IS PARTICULARLY REQUESTED THAT ALL RAINFALL POST CARDS BE SENT IN NOT LATER THAN THE 5TH OF EACH MONTH.

## THE ISLAND—AUGUST.

The mean rainfall for the month was slightly less than the average. The Southern Division was above normal, but all the other Divisions were below.

The greatest total fall for the month was 20.30 inches at Moore Town in the North-eastern Division, and the heaviest fall in 24 hours was 5.60 inches at Oracabessa in the Northern Division on the 19th.

The mean number of rainy days was 12, the average for the month being 11. Port Antonio, Accompong and Mulgrave had most rainy days—24 each.

The mean rainfall in each Parish is given below compared with the 10-year average. St. Elizabeth with 9.01 inches was highest; followed by Portland and Clarendon with 8.06 inches each. St. Ann, with 3.13 inches was lowest.

Parish.	1937 Inches.	10-Year Average. Inches.	Parish.	1937. Inches.	10-Year Average. Inches.
Kingston ..	5.28	5.61	St. James ..	4.51	6.11
St. Andrew ..	7.63	7.25	Hanover ..	6.74	8.67
St. Thomas ..	7.13	8.24	Westmoreland ..	7.62	9.91
Portland ..	8.06	10.48	St. Elizabeth ..	9.01	7.00
St. Mary ..	6.80	6.38	Manchester ..	7.47	8.23
St. Ann ..	3.13	4.87	Clarendon ..	8.06	6.81
Trelawny ..	5.19	5.36	St. Catherine ..	6.86	7.46

### CITY OF KINGSTON.

The total rainfall for the month of August, 1937, was 4.76 inches, shewing about 32% above the 60-year normal of 3.60 inches. The greatest fall in 24 hours was 3.30 inches on the 10th. There were nine rainy days, corresponding to the 49-year average. The upper boundary of Kingston gauged 5.65 inches with twelve rainy days.

The days upon which distant rain was observed are as follows:—to northward thirteen, to north-eastward six, to eastward two, to south-eastward three, to south two, to west four and to north-westward two.

Distant lightning in the evening to northward three, to north-eastward three, to eastward, south-eastward and north-westward two each. Distant thunderstorm to northward nine, to south-east two, to south one, to west two and to north-west one. Local thunderstorm on the 22nd at 3.30 p.m.

The mean barometric pressure was 29.921 inches, shewing 0.008 inch below the 33-year normal of 29.929 inches. The highest barometer reading was 30.028 inches on the 2nd at 3 p.m., and the lowest was 29.847 inches on the 28th at 3 p.m., corrected for diurnal variation.

The mean monthly temperature, based upon four observations per day, was 81.0 degrees, which corresponds to the normal. The highest maximum was 92.8 degrees on the 25th, and the lowest minimum was 70.8 degrees on the 11th giving an extreme monthly range of 22 degrees. On the other hand the lowest maximum was 83.0 degrees on the 11th and the highest minimum was 76.7 degrees on the 2nd. The maximum was above 90 degrees ten times, and the minimum above 70 degrees throughout. The greatest daily range was 19.4 degrees on the 4th and the least range was 9.1 degrees on the 2nd.

The mean daily miles of wind registered was 174; the 25-year average being 195 representing about 10% below the average. The greatest number of miles of wind recorded in 24 hours was 280 on the 29th and the least was 103 on the 17th. Highest hourly velocity 27 miles per hour on the 6th at 2.10 p.m. South-easterly wind rose early once, and continued after 7 p.m. eleven times. There was a S.E. rain-squall on the 28th at 5.45 p.m.

The mean relative humidity was 81%, the 33-year normal being 79%. The mean 7 a.m. was 83% and the mean 3 p.m. 71%. The lowest 7 a.m. was 70% on the 7th and the lowest 3 p.m. 57% on the 7th.

Overcast conditions prevailed in the forenoon on eight occasions and in the afternoon on eighteen.

Total evaporation for the month of August was 5.21 inches; the 10-year average being 7.56 inches.

The mean daily number of sunshine hours was 8.6.

### CAYMAN ISLANDS.

Government House, Georgetown, Grand Cayman:—Total rainfall for August, 1937, was 6.04 inches. Greatest fall in 24 hours 2.58 inches on the 9th with 5 rainy days.

### WEATHER DISTURBANCE.

On the 24th August, in the early morn, at one o'clock the U.S.W.B. reported there was indication of a tropical storm developing to the east of the Leeward Islands. A message from Washington on the 25th placed the disturbance some 50 miles to north of the Island of St. Thomas moving in a W.N. Westerly direction at about 15 miles per hour. On the 26th it apparently continued on a course to a point 150 miles to eastward of Turks Island. On the 27th at 8 a.m. the centre was located to the East of the Bahamas near latitude 24 degrees N. and longitude 73 degrees W. It eventually turned slowly towards the west with centre near Nassau, and moderate to fresh squalls over rather small area and coursing to the north of Great Abaco Island. This storm passed very close to Daytona Beach, moving northwest or N.N.W. There was no wind of hurricane force reported.

J. F. BRENNAN,  
Government Meteorologist.

Kingston, Jamaica.  
September 20th, 1937.



## JAMAICA

## WEATHER REPORT.

FOR THE MONTH OF

SEPTEMBER, 1937.

The barometric pressures at all the Stations, except the Hill Gardens, are reduced to the standards of Kew 32°, gravity at Lat. 45° and mean sea-level. The bar. at Hill Gardens is reduced to the first two standards only. Thermometers are exposed in Stevenson's Screen; their readings have been corrected for instrumental errors.

The miles of Wind per diem are measured by Robinson's Anemometers, the factor 3 being assumed correct for the four-cup instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky; the Lower (L) clouds are for the most part fracto-stratus; the Middle (M) clouds cumulus and the Upper (U) clouds, cirrus and cirro-stratus.

The rainfall is measured at 7 a.m., and entered as having fallen on the previous day.

The 75th Meridian Time West of Greenwich adopted from 1st February, 1912.

## METEOROLOGICAL RESULTS.

STATIONS.	Elevation.	Bar. Pressure		Temperature. (F.)			Extreme Temperature. (F)			
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range.	Max.	Min.
	ft.	ins.	ins.	°	°	°	°	°	°	°
Morant Point Light House	8	29.912	29.884	81.4	86.9	89.1	76.7	12.4	91.5	14
Kingston	24	29.893	29.850	76.6	87.5	89.8	74.6	15.2	92.6	20
Negril Point Light House	33	29.901	29.864	78.1	86.7	88.8	73.9	14.9	93.1	15
Montego Bay†	33	..	..	80.5	86.2	92.6	71.7	20.9	97.1	19
Castleton Gardens	496	..	..	70.5	82.0	88.0	69.5	18.5	91.0	10*
Hope Gardens†	668	29.947	29.885	75.7	86.9	89.6	71.7	17.9	94.0	9
Hill Gardens	4,900	25.253	25.245	64.3	66.7	..	..	..	..	28

STATIONS.	Elevation.	Dewpoint and Rel. Humidity.			Rainfall.	Wind per diem.	Wind: direction from and miles per hour.			Amount of Cloud. Lower, Middle and Upper.					
		7 a.m.	3 p.m.	°			7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.
	ft.	°	%	%	ins.	Mls.	Dir.	m.p.h.	Dir.	m.p.h.	L.	M.	U.	L.	M.
Morant Point Light House	8	75	82	77	73	3.89	168	NE	6.0	Var.	6.0	1.7	1.9	0.8	1.1
Kingston	24	71	82	75	68	1.88	143	N	3.8	SE	10.6	1.3	0.2	1.2	2.8
Negril Point Light House	33	74	86	76	69	3.99	107	NE	2.5	Var.	8.0	1.0	0.4	4.0	1.3
Montego Bay	33	74	80	75	71	6.77	..	SE	2.7	ENE	5.9	..	..	..	..
Castleton Gardens	496	69	95	78	87	11.24	..	..	..	..	..	..	..	..	..
Hope Gardens	668	71	83	72	62	2.77	..	..	..	..	..	..	..	..	..
Hill Gardens	4,900	62	92	63	85	3.29	..	..	..	..	..	..	..	..	..

\* And on other days.

† Hope Gardens—observations made at 9 a.m. and 3 p.m.

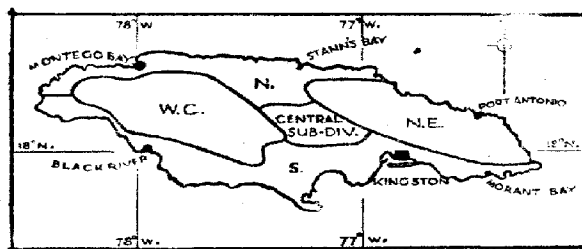
† Montego Bay—observations made at 8 a.m. and 3 p.m.

## THE RAINFALL.

The first four columns contain all the information relating to the Rainfall for the month received for publication up to the time of sending this report to press; the last column contains the corresponding Rainfall average for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1929." In obtaining the mean Rainfall for the month only those stations are considered for which the average Rainfall has been also given in the last columns that the results derived from these two columns are comparable for each Division. These results are given in the comparative table at the end of this Rainfall Return so as to arrive at the mean for the whole Island, embracing the four Divisions.

The Northern Division comprises the northern shores from Port Maria to Davis' Cove, including the central part of the Island which forms the Central Sub-divisions; the Southern Division comprises the southern shores from Holland Bay to South Negril; the North-Eastern and West-Central Divisions are the remaining parts of the Island bounded by the sea and the other Divisions.

A Map showing these Rainfall Divisions is published in Mr. Maxwell Hall's "Rainfall of Jamaica," following page 27, 1911 Edition, and of page 33 of 1934 Edition, an outline of which is given below.



September, 1937.

STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
<b>NORTH-EASTERN DIVISION (N.E.)</b>	Ins.	Ins.			Ins.
Manchioneal	3.61	0.78	6	10	9.68
Priestman's River	7.84	1.60	30	9	10.33
Bath	7.72	2.70	1	10	12.17
Barrett's Gap	8.10	1.85	1	9	
Millbank	4.89	1.30	1	10	
Comfort Castle	4.51	1.33	27	11	
Moore Town	3.64	1.00	27	13	14.81
Port Antonio	6.14	2.15	30	10	10.38
Passley Garden	4.26	0.94	6	8	
Fellowship	3.18	0.74	7	7	12.57
Johnson River Br.	4.32	1.65	26	6	10.94
Trinity Ville	2.75	1.11	30	5	
Fruitful Vale	4.02	1.00	25	7	
Hope Bay	3.17	1.06	1	6	
Cedar Valley	4.39	1.38	25	8	12.17
Moy Hall					11.42
Paradise	5.84	1.73	13	12	
Lennox	1.53	0.94	27	5	
Greenvale	6.46	1.85	22	14	8.51
Darley	2.57	1.27	21	5	
Spring Garden	1.89	0.50	22	6	8.57
Hill Gardens	3.29	1.00	20	11	9.42
Buff Bay	3.60	1.05	26	8	5.07
Buff Bay R. Est.	4.46	2.00	29	9	
Belvedere, Portland	2.00	1.00	23	3	1.19
Windsor Castle, do.	3.77	1.41	26	9	5.48
Balcarras	8.16	1.75	1	14	
Mt. Holstein	7.70	1.70	5	13	10.13
Cedar Hurst	2.51	0.76	25	10	
Hardware Gap	5.37	1.64	11	17	10.70

September, 1937.

STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
<b>NORTH-EASTERN DIVISION, contd.</b>	Ins.	Ins.			Ins.
Rose Hill	3.39	0.73	11	9	13.48
Mount Cressy	4.79	1.33	5		
Hermitage	3.85	1.55	13	15	
Mount Airy	6.06	1.62	5	12	
Stony Hill Ind. Sch.	3.76	1.20	3	9	10.05
Boon Hall	5.16	2.36	3	15	
Brandon Hill	6.21	1.33	5	6	
Enfield	6.73	1.94	28	10	
Agualta Vale	5.01	2.56	29	10	4.94
Castleton Gardens	11.24	3.55	29	13	11.76
Water Valley	4.09	1.10	29	8	4.82
Albany	3.26	1.10	2	8	4.18
Lawrence Tavern	4.95	1.74	5	10	9.87
Wey Hill	5.94	2.85	13	8	
Richmond, St. Mary	3.34	0.80	2	8	6.11
Quebec, St. Mary	4.61	2.20	28	9	4.45
Above Rocks	7.19	2.95	5	6	
Glengoffe	3.40	1.75	22	6	
Carew Castle	9.56	2.40	6	8	11.19
Hampstead, St. Mary	2.69	1.20	3	6	6.24
Windsor Castle do.	8.58	1.75	30	11	
Troja	3.77	3.21	22	3	
Pear Tree Grove	3.61	1.76	23	3	
Gay's Hill	2.87	1.25	29	9	7.37
Lucky Hill	1.44	0.45	2	9	6.14
Rio Hoe	2.04	1.58	22	4	6.36
Unity Valley	3.05	1.52	1	8	8.17
Moneague	1.83	0.71	1	5	7.55
Claremont	2.59	1.30	22	12	6.38
Averham Park	2.71	0.76	13	8	5.60
Albion	2.17	0.74	22	8	7.48
<b>NORTHERN DIVISION (N.)</b>					
Port Maria	4.35	1.40	30	9	4.13
Wentworth	5.16	1.80	30	11	
Oracabessa	2.53	1.05	6	7	
Huddersfield	1.89	1.02	21	3	
Ocho Rios	0.75	0.40	28	2	3.64
Rockfield	1.38	0.30	25	8	5.21
Liberty Hill	0.74	0.45	22	4	3.90
St. Ann's Bay	1.94	0.70	25	8	3.51
Richmond Estate	1.54	0.75	2	7	3.74
Runaway Bay	1.14	0.84	23	3	2.61
Knapdale	2.63	1.40	23	5	
Alexandria	2.12	1.00	5	7	7.12
Bel-Air	2.55	2.00	23	5	
Brown's Town	2.69	0.95	26	13	5.71
Wilton	2.79	1.00	23	7	
Watt Town, St. Ann	0.32	0.15	27	4	6.89
Home Castle	4.70	1.90	26	7	5.18
Arcadia	2.41	0.80	28	12	4.71
Vale Royal	3.33	0.94	23	12	4.72
Harmory Hall	2.47	0.80	27	10	3.63
Duncans	3.01	1.20	23	7	
Clark's Town	4.09	0.91	30	11	
Falmouth	4.01	1.05	22	10	3.41
The Hague					
Wales					

September, 1937.						September, 1937.					
STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.	STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
NORTHERN DIVISION, <i>contd.</i>						WEST-CENTRAL DIVISION, <i>contd.</i>					
Adelphi	5.38	0.93	27	13		Mereworth	7.86	3.90	20	12	
Barrett Hall	2.51	0.85	28	7		Mandeville	5.79	2.45	20	17	10.05
Success	1.72	0.80	29	4	3.55	Ulster Spring	7.32	2.00	1	10	10.17
Rose Hall	1.32	0.50	29	5	3.46	Greenvale	4.01	1.20	14	13	
Cinnamon Hill	0.92	0.42	26	5	3.89	Albert Town	7.08	3.21	26	16	10.87
Tryall	3.22	1.35	29	7	5.12	Craig Head	13.18	2.30	24	14	
Running Gut	1.94	0.87	26	5	3.68	Warsop	7.36	1.30	13	11	
Spring Estate	3.13	1.35	26	5	3.58	Troy	14.69	2.50	20	19	13.70
Friendship	7.53	1.50	26	12	8.34	Wallingford	14.15	2.55	14	17	12.37
Retirement	9.56	1.56	29	11	9.37	Balaclava	5.27	1.62	14	12	11.00
Rose Mount	7.13	1.80	26	12		Braes River	8.97	2.15	26	13	
Montego Bay	6.77	2.00	28	8	6.58	Wakefield	9.31	4.05	22	13	
Anchovy	7.17	2.05	30	11	6.98	Aberdeen	8.22	2.04	26	12	
Hopewell	10.35	2.00	30	10		Accompong	2.34	1.42	12	9	
Blue Hole	4.26	1.21	22	10	10.09	Maggotty	7.97	2.13	14	12	11.82
Cascade	13.73	2.57	22	16		Lacovia	2.27	1.68	6	6	
Lucea	4.41	0.92	22	13	8.16	Mulgrave	11.99	1.35	21	19	
Haughton Court					7.16	Holland	12.74	4.00	22	13	
Kendal—Hanover	11.13	3.45	22	15		Ipswich	13.07	1.72	10	19	
Cousins Cove	5.70	2.29	29	14		Ginger Hill	8.90	2.75	20	15	
Green River	9.46	2.39	22	14		Kempshot	10.76	2.15	1	16	9.10
Green Island	5.89	2.15	1	8	10.37	Mocho, St. James	6.32	1.66	11	12	
Haughton Hall	5.42	1.51	19	11		Bandon Pen	11.69	3.05	19	15	
CENTRAL SUB-DIVISION						Catadupa	8.21	1.08	5	18	14.69
Knollis	4.57	1.60	22	7		Cambridge	14.10	3.10	22	14	12.29
Highgate (St. Cath.)	9.55	2.30	22	16		New Market	9.93	1.80	6	14	11.81
Rio Magno	2.00	1.77	22	4		Kew Park	8.55	1.69	5	11	12.38
Riversdale	3.40	1.30	6	4		The Bog	11.50	1.92	22	18	12.72
Headworks, R.C.C.	1.62	1.08	20	5	6.24	Bethel Town Dist.	8.92	1.62	5	20	15.76
Bog Walk	4.63	1.52	20	5		Burnt Ground	5.73	1.20	26	13	13.30
Linstead	3.95	1.00	1	5	7.48	Haughton Grove					12.38
Ewarton	1.99	0.68	22	5		Darliston	15.41	1.65	12	18	14.56
Cave Valley	5.60	2.08	1	7	7.87	Bluefields	7.60	1.56	10	22	10.83
Guanaboa Vale	0.80	0.75	16	2		Whithorn	5.67	0.75	6	15	11.20
Point Hill	6.22	1.53	29	11	10.89	Water Works Pen	3.99	1.15	20	11	11.01
Brown's Hall	5.28	1.46	11	10	9.81	Williamsfield, Wld.	11.60	1.40	24	21	
Bellas Gate	4.47	1.35	29	11	5.71	Baulk	7.38	1.35	6	20	
Rock River	4.01	0.76	2	10		Askenish	7.16	2.70	22	11	12.07
Crofts Hill	5.17	1.54	11	10	7.67	Grange Hill	4.57	0.75	21	16	11.75
Far Enough	7.79	2.57	6	14		Mount Eagle	3.89	0.90	22	14	
Suttons	7.27	1.40	5	12		King's Vale	1.84	0.46	22	10	10.85
Colonel's Ridge	4.06	0.89	11	12		SOUTHERN DIVISION (S.)					
Chapelton	2.79	0.52	2	12	7.86	Morant Point L.H.	3.89	0.89	1	12	6.94
Crooked River	3.42	0.68	22	9		Golden Grove	3.26	1.57	1	9	
James Hill	5.21	1.38	4	12		Pleasant Hill	3.34	1.48	1	11	8.44
Frankfield	4.02	2.18	27	7	7.17	East Prospect	6.05	3.06	1	12	8.37
WEST-CENTRAL DIVISION (W.C.)						Morant Bay	5.86	1.40	6	11	8.00
Mocho, Clarendon	8.66	2.21	29	8	9.10	Aeolus Valley	3.85	2.05	30	8	
Smithville	7.50	3.30	27	11		Yallahs	2.00	1.00	29	2	
Clarendon Park	4.92	1.92	27	10		Easington	2.95	1.56	30	3	8.18
Porus	2.48	0.95	27	6		Llandewey	3.75	1.66	30	4	
Borobridge	1.64	0.99	22	5		Mavis Bank	1.91	0.42	30	8	
Spaldings	2.10	0.80	27	6	7.97	Mavis Bank Factory					
Williamsfield	4.94	1.32	20	15		Bull Bay	0.26	0.18	30	2	4.10
Brokenhurst	5.01	1.69	20	9	9.91	Dallas Castle					
Shooters Hill	4.38	2.16	20	8	9.14	Gordon Town	1.54	0.38	20	6	7.84
Wait-a-bit	10.91	1.50	1	16		Irish Town	1.37	0.45	18	7	8.35
Christiana	3.74	1.08	20	11	9.17	Hope Gardens	2.77	0.87	19	11	6.94
Holmwood	2.03	1.25	27	6		Waireka					
Clifton Hill	7.45	2.40	26	10	11.43	Ivor					
Kendal, Manchester	4.68	1.38	20	8	9.60	Barbican					
						Plumb Point L. H.	1.50	0.75	26	4	4.30

STATIONS	September, 1937.					STATIONS.	September, 1937.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
SOUTHERN DIVISION, contd.	Ins.	Ins.			Ins.	SOUTHERN DIVISION, contd.	Ins.	Ins.			Ins.
King's House Gar.	1.94	0.93	27	7	5.32	Hog Hole, S. Man.	..	..	..	..	9.45
Up-Park Camp	0.79	0.25	3	10	..	Stone's Hope	5.63	1.46	27	13	8.67
Cavaliers	1.16	0.41	30	8	..	Newport, Man.	4.23	0.98	26	9	8.20
St. Georges College	1.41	0.78	27	5	..	Alligator Pond	1.27	0.41	26	6	5.48
Upper Kingston	1.54	0.80	27	8	4.33	Fairfield	5.43	2.48	20	17	7.94
Parade Garden	2.57	1.85	27	4	..	Pepper	..	..	..	..	..
Kingston P.W.O.	1.88	1.30	27	4	3.87	Myersville	4.93	1.61	19	8	..
Constant Spring	0.81	0.17	6	9	..	Goshen	7.96	1.92	21	11	..
Halfway Tree	1.33	0.87	27	7	4.72	Southfield, St. Eliz.	1.93	0.96	22	9	7.80
Clifton Pen	1.11	0.38	29	5	4.24	Windsor, St. Eliz.	5.17	1.28	22	14	..
Seaward Pen	1.75	0.75	25	3	..	Torrington	4.78	1.45	21	6	6.49
Red Hills	3.22	1.12	3	13	..	Santa Cruz	5.12	1.36	14	10	9.66
Quarantine Station	1.34	0.76	28	4	2.98	Hounslow	2.75	1.10	5	5	..
Hematine	0.75	0.52	27	4	4.89	Pedro Plains	1.86	0.78	27	4	4.07
Spanish Town	0.39	0.39	27	1	4.94	Mountainside	4.14	1.71	5	7	4.66
The Stewartry	..	..	..	..	..	Fort Charles	1.88	0.89	24	3	..
Hog Hole, St. Cath.	0.50	0.21	14	5	5.69	Black River	3.59	1.48	4	8	5.43
Clairmont	..	..	..	..	..	Mt. Charles	3.87	1.00	22	16	..
Old Harbour	3.13	2.18	20	6	6.01	Font Hill	4.35	1.15	10	8	6.66
May Pen	3.22	1.39	20	6	7.04	Mount Edgecombe	6.23	2.30	13	10	8.25
Glen Muir	1.70	0.80	27	3	..	Sweet River	..	..	..	..	8.11
Cottage	4.31	1.94	30	8	..	Sav.-la-Mar	3.06	1.70	10	6	7.08
Belle Plain	4.30	1.18	27	8	..	Little London	5.50	1.10	3	11	9.25
Milk River	3.24	1.10	1	4	7.27	Retreat	..	..	..	..	7.72
Retrieve	4.28	1.50	14	8	7.42	Negril Point L.H.	3.99	1.40	26	11	6.71

## NOTES.

COMPARATIVE TABLE OF RAINFALL  
AND RAINY DAYS.

DIVISIONAL AND ISLAND RAINFALL.	September.			
	Rainfall.		Rainy Days.	
	1937.	Ave.	1937.	Ave.
	Ins.	Ins.		
North-Eastern	4.27	8.48	9	13
Northern	3.54	5.89	9	10
West-Central	7.63	10.99	13	16
Southern	3.08	6.42	8	11
The Island means	4.63	7.94	10	13

## SHOCKS OF EARTHQUAKE IN September, 1937.

Date.	Standard Time. (Approx.)	Intensity.	Notes, where, etc.
1	1.40 a.m.	I	Fellowship

N.B.—IT IS PARTICULARLY REQUESTED THAT ALL RAINFALL POST CARDS BE SENT IN NOT LATER THAN THE 5TH OF EACH MONTH.

## THE ISLAND—SEPTEMBER.

The Mean rainfall was much below the average in all Divisions.

The greatest total fall for the month was 15.41 inches at Darliston in the West Central Division and the heaviest fall in 24 hours was 4.05 inches at Wakefield in the same Division on the 22nd.

The Mean number of rainy days was 10, the average being 13. Bluefields in Westmoreland had most rainy days—22.

The Mean rainfall in each parish is given below. Compared with the 10 year average, Westmoreland, with 7.16 inches was highest, Hanover, with 7.09 inches was second and St. James with 6.80 inches was third. Kingston with 1.78 inch, was lowest.

Parish.	1937.	10-year Average.	Parish.	1937.	10-year Average.
	Inches.	Inches.		Inches.	Inches.
Kingston	1.78	3.88	St. James	6.80	6.31
At. Andrew	3.14	8.42	Hanover	7.09	8.84
St. Thomas	4.44	9.59	Westmoreland	7.16	9.62
Portland	4.35	18.90	St. Elizabeth	6.29	7.84
St. Mary	4.72	6.40	Manchester	5.32	9.28
St. Ann	2.26	5.59	Clarendon	4.49	7.38
Trelawny	6.33	6.26	St. Catherine	3.54	6.70

The total mean rainfall for the nine months is given below, compared with the 60-year average, and shows a deficiency of 4.25 inches.

Month.	1937.	60-year Average.
	Inches.	Inches.
January	4.35	4.00
February	2.62	3.13
March	3.15	3.35
April	3.84	4.77
May	11.34	8.77
June	4.38	6.53
July	4.92	4.75
August	6.69	6.93
September	4.63	7.94
Total	45.92	50.17

## CITY OF KINGSTON.

The total rainfall for the month of September, 1937, was only 1.88 inch representing about one-half of the 60-year average of 3.87 inches. The greatest fall in 24 hours was 1.30 inch on the 27th. There were four rainy days as compared to the average of ten. The upper boundary of Kingston gauged 1.54 inch with eight rainy days.

The days upon which distant rain was observed are as follows:—to the northward on six; to north-eastward once; to eastward and southward two each; to westward and north-westward one day each.

Distant lightning, in the evening, to northward and north-eastward on two days each; to the southward once and to north-westward two.

Distant thunderstorm to northward on six days; to eastward, southward, south-westward and westward on one day each.

The mean barometric pressure was 29.883 inches, shewing 0.006 inch below the 33-year normal of 29.889 ins. The highest barometer reading was 29.945 ins. on the 7th at 3 p.m., and the lowest was 29.809 ins., on the 24th at 7 a.m., corrected for diurnal variation.

The mean monthly temperature, based upon four observations per day, was 81.6°; the 33-year average being 80.6° shewing 1.0° above the normal. The highest maximum was 92.6° on the 20th, and the lowest minimum was 72.6° on the 1st., shewing an extreme monthly range of 20.0°. On the other hand the lowest maximum was 86.3° on the 1st, and the highest minimum 77.8° on the 27th. The maximum was 90°, and above fifteen times, and the minimum was above 70° throughout. Greatest daily range was 17.8° on the 14th and the least range was 9.9° on the 27th.

The mean daily miles of wind registered was 143, the 25-year average being 169, or about 15% below the normal. The greatest number of miles of wind recorded in 24 hours was 201 on the 7th and the least was 102 on the 27th. Highest hourly velocity was 19 miles per hour on the 8th at 2.30 p.m. South-easterly wind continued until after 7 p.m. on 10 occasions.

The mean relative humidity was 79%, and the 33-year normal 82%. The mean 7 a.m. was 82% and mean 3 p.m. 68%. The lowest 7 a.m. was 76% on the 18th and 24th, and the lowest 3 p.m. 58% on the 16th.

Overcast conditions prevailed in the forenoon on eight occasions, and in the afternoon on thirteen occasions.

The total evaporation for September was 4.80 inches; the 10-year average being 5.12 inches.

The mean daily number of sunshine hours was 8.8.

There was a continuous dense haze observed from the 10th to the 13th, moderate on 14th and 15th, and lifting from 16th to 17th. This haze was also noticed throughout the Island.

## CAYMAN ISLANDS.

Government House, Georgetown, Grand Cayman.—Total rainfall for September 1937 was 6.50 inches; greatest fall in 24 hours 2.15 inches on the 26th, with 10 rainy days.

## WEATHER DISTURBANCES.

There was a remarkable absence of any hurricanes or weather disturbances in the Caribbean region in September, but there was a slight weather disturbance located on the 9th September at 4 a.m. near Lat. 18° north, and Long. 55° west, moving in a somewhat northerly direction until the 11th, when it arrived at Lat. 25° north, and Long. 57° west, and apparently continued in a course to the North Atlantic Ocean.

J. F. BRENNAN,  
Government Meteorologist.

Kingston, Jamaica,  
October 20th, 1937.





# JAMAICA WEATHER REPORT.

FOR THE MONTH OF

OCTOBER, 1937.

The barometric pressures at all the Stations, except the Hill Gardens, are reduced to the standards of Kew 32°, gravity at Lat. 45° and mean sea-level. The bar. at Hill Gardens is reduced to the first two standards only. Thermometers are exposed in Stevenson's Screen; their readings have been corrected for instrumental errors.

The miles of Wind per diem are measured by Robinson's Anemometers, the factor 3 being assumed correct for the four-cup instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky; the Lower (L) clouds are for the most part fracto-stratus; the Middle (M) clouds cumulus and the Upper (U) clouds, cirrus and cirro-stratus.

The rainfall is measured at 7 a.m., and entered as having fallen on the previous day.

The 75th Meridian Time West of Greenwich adopted from 1st February, 1912.

## METEOROLOGICAL RESULTS.

STATIONS.	Elevation.	Bar. Pressure		Temperature. (F.)					Extreme Temperature. (F)				
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range.	Max.	Date.	Min.	Date.	Range.
	ft.	ins.	ins.	°	°	°	°	°	°	°	°	°	°
Morant Point Light House	8	29.895	29.827	80.9	84.0	86.9	77.2	9.7	89.5	4	72.1	27	17.4
Kingston	24	29.874	29.821	75.3	84.3	87.8	73.6	14.2	92.2	4	71.3	2	20.9
Negril Point Light House	33	29.877	29.832	76.6	83.9	87.1	73.5	13.6	92.6	4	71.6	3	21.0
Montego Bay†	33	..	..	80.0	82.4	89.3	72.5	16.8	92.0	22	70.8	30	21.2
Castleton Gardens	496	..	..	71.4	80.4	83.8	70.6	13.2	88.0	18	68.0	21	20.0
Hope Gardens†	668	29.935	29.841	74.1	85.1	88.1	71.2	16.9	93.0	3*	69.0	4*	24.0
Hill Gardens	4,900	25.248	25.225	64.1	65.5	..	..	..	..	..	..	..	..

STATIONS.	Elevation.	Dewpoint and Rel. Humidity.				Rainfall.	Wind per diem.	Wind: direction from and miles per hour.				Amount of Cloud, Lower, Middle and Upper.					
		7 a.m.		3 p.m.				7 a.m.		3 p.m.		7 a.m.		3 p.m.			
	ft.	°	%	°	%	ins.	Mls.	Dir.	m.p.h.	Dir.	m.p.h.	L.	M.	U.	L.	M.	U.
Morant Point Light House	8	75	83	76	78	13.77	204	ENE	8.0	ENE	8.0	2.0	2.3	2.0	2.6	3.0	1.7
Kingston	24	71	87	75	75	3.59	152	N	4.2	SE	12.0	1.2	0.4	2.2	5.4	2.0	0.9
Negril Point Light House	33	74	87	75	76	12.27	136	NE	4.5	Var.	7.6	2.6	0.7	4.0	1.6	7.0	0.3
Montego Bay	33	75	83	77	82	10.18	..	SE	4.0	E	5.0	..	..	..	..	..	..
Castleton Gardens	496	69	95	76	87	21.07	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	69	86	77	76	10.18	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens	4,900	62	94	63	89	14.16	..	..	..	..	..	..	..	..	..	..	..

\* And on other days.

† Hope Gardens—observations made at 9 a.m. and 3 p.m.

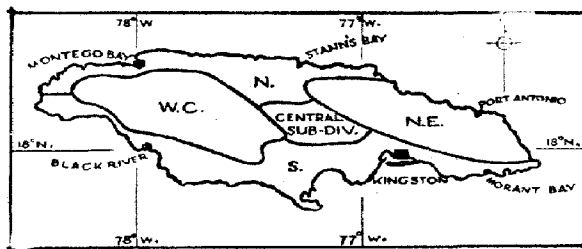
† Montego Bay—observations made at 8 a.m. and 3 p.m.

## THE RAINFALL.

The first four columns contain all the information relating to the Rainfall for the month received for publication up to the time of sending this report to press; the last column contains the corresponding Rainfall average for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1929." In obtaining the mean Rainfall for the month only those stations are considered for which the average Rainfall has been also given in the last columns that the results derived from these two columns are comparable for each Division. These results are given in the comparative table at the end of this Rainfall Return so as to arrive at the mean for the whole Island, embracing the four Divisions.

The Northern Division comprises the northern shores from Port Maria to Davis' Cove, including the central part of the Island which forms the Central Sub-divisions; the Southern Division comprises the southern shores from Holland Bay to South Negril; the North-Eastern and West-Central Divisions are the remaining parts of the Island bounded by the sea and the other Divisions.

A Map showing these Rainfall Divisions is published in Mr. Maxwell Hall's "Rainfall of Jamaica," following page 27, 1911 Edition, and of page 33 of 1934 Edition, an outline of which is given below.



October, 1937.

STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
<b>NORTH-EASTERN DIVISION (N.E.)</b>	Ins.	Ins.			Ins.
Manchioneal	24.84	8.98	21	25	16.40
Priestman's River	19.14	5.00	31	17	13.31
Bath	20.37	6.00	31	20	16.43
Barrett's Gap	21.10	6.20	31	21	
Millbank	25.34	5.75	31	20	
Comfort Castle	24.51	5.78	31	26	
Moore Town	24.64	3.50	31	25	18.47
Port Antonio	17.60	4.75	31	24	14.24
Passley Garden	19.23	3.91	31	23	
Fellowship	23.83	4.53	31	23	15.96
Johnson River Br.	21.93	5.50	31	17	13.59
Trinity Ville	18.01	6.34	1	14	
Fruitful Vale	18.62	3.85	31	16	
Hope Bay	23.57	5.15	25	18	
Cedar Valley	14.18	2.87	28	15	13.94
Moy Hall					19.41
Paradise	19.99	4.15	31	19	
Lennox	14.75	3.65	31	9	
Greenvale	9.95	2.84	31	16	10.97
Darley	15.50	3.07	31	16	
Spring Garden	10.61	2.70	31	12	6.13
Hill Gardens	14.16	3.70	28	16	16.21
Buff Bay	11.41	2.80	31	12	
Buff Bay R. Est.	10.65	3.36	31	15	
Belvedere, Portland	7.00	2.00	31	13	6.55
Windsor Castle, do.	11.99	4.48	31	15	7.38
Balcarres	10.90	3.45	31	11	
Mt. Holstein	12.70	2.11	31	19	
Cedar Hurst	15.46	3.04	28	21	
Hardware Gap	19.50	3.29	28	28	14.72

October, 1937.

STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
<b>NORTH-EASTERN DIVISION, contd.</b>	Ins.	Ins.			Ins.
Rose Hill	9.54	1.33	7	18	15.84
Mount Cressy	17.91	2.80	25		
Hermitage	14.98	2.35	28	23	
Mount Airy	18.08	3.26	11	22	
Stony Hill Ind. Sch.	21.07	2.66	7	22	14.06
Boon Hall	20.00	2.40	1	23	
Brandon Hill	19.54	1.71	31	23	
Enfield	11.90	2.91	31	10	
Agualta Vale	12.13	4.08	31	13	6.26
Castleton Gardens	21.07	4.05	11	21	14.36
Water Valley	8.45	4.15	31	10	7.27
Albany	8.31	2.60	31	14	7.44
Lawrence Tavern	13.43	2.36	23	19	11.90
Wey Hill	12.72	2.90	11	17	
Richmond, St. Mary	7.35	2.00	31	12	8.14
Quebec, St. Mary	16.04	10.00	31	8	9.33
Above Rocks	13.67	2.80	23	17	
Glengoffe	9.93	1.80	31	13	
Carew Castle	18.01	3.80	19	21	12.61
Hampstead, St. Mary	11.89	4.20	31	13	7.88
Windsor Castle do.	19.95	2.17	7	23	
Troja	6.95	1.51	11	11	
Pear Tree Grove	7.08	2.06	11	10	
Guy's Hill	12.10	1.96	31	16	7.27
Lucky Hill	9.26	1.76	31	16	8.26
Rio Hoe	9.39	1.84	10	17	8.68
Unity Valley	14.53	3.27	28	22	8.94
Moneague	9.30	1.25	23	16	8.97
Claremont	7.66	2.40	28	15	8.18
Averham Park	8.72	2.45	28	16	10.52
Albion	9.35	2.44	11	19	8.89
<b>NORTHERN DIVISION (N.).</b>					
Port Maria	7.36	3.00	31	13	8.26
Wentworth	8.52	3.80	31	13	
Oracabessa	8.55	3.50	31	13	
Huddersfield	12.54	3.95	31	9	
Ocho Rios	7.62	1.35	31	12	5.56
Rockfield	14.67	4.86	28	18	6.40
Liberty Hill					5.93
St. Ann's Bay	8.77	1.58	28	17	6.62
Richmond Estate	3.83	0.70	31	17	6.94
Runaway Bay	6.78	1.55	26	11	3.07
Knapdale	8.32	1.99	28	16	
Alexandria	7.91	1.06	13	20	7.96
Bel-Air	9.15	1.40	27	16	
Brown's Town	9.48	1.91	6	18	8.32
Wilton	6.65	1.20	6	16	
Watt Town, St. Ann	2.35	0.56	10	12	8.33
Home Castle	11.90	3.30	24	13	6.51
Arcadia	7.34	1.90	27	13	6.15
Vale Royal	6.16	0.97	9	17	6.50
Harmony Hall	4.25	0.75	5	11	5.18
Duncans	5.00	1.00	29	10	
Clark's Town	7.39	2.41	27	13	
Falmouth	7.40	1.75	29	13	5.54
The Hague					
Wales					

STATIONS.	October, 1937.					STATIONS.	October, 1937.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
NORTHERN DIVISION, contd.						WEST-CENTRAL DIVISION, contd.					
Adelphi	9.91	1.32	24	18	..	Mereworth	15.20	3.55	28	19	..
Barrett Hall	7.23	2.20	27	11	..	Mandeville	12.61	2.70	28	22	14.86
Success	6.52	1.53	29	14	5.98	Ulster Spring	13.10	1.60	27	21	11.90
Rose Hall	7.28	1.40	29	15	6.24	Greenvale	11.37	2.70	23	18	..
Cinnamon Hill	7.03	1.38	23	15	6.66	Albert Town	18.18	3.09	5	18	11.79
Tryall	5.69	1.15	23	15	6.01	Craig Head	10.82	2.36	18	10	..
Running Gut	6.03	1.20	29	14	5.52	Warsop	14.64	2.35	5	17	..
Spring Estate	4.75	1.05	23	15	6.33	Troy	17.68	2.24	27	20	15.46
Friendship	9.11	1.94	24	18	10.16	Wallingford	21.23	4.08	5	23	13.54
Retirement	11.30	1.92	6	21	9.63	Balaclava	20.53	3.85	23	17	12.22
Rose Mount	9.67	2.53	11	21	..	Braes River	..	..	..	..	..
Montego Bay	10.18	1.86	11	20	7.53	Wakefield	9.16	1.40	24	20	..
Anchovy	9.90	1.29	11	22	6.96	Aberdeen	15.05	3.10	23	20	..
Hopewell	12.25	2.40	25	19	..	Accompong	12.48	2.30	19	16	..
Blue Hole	10.71	2.00	27	19	10.44	Maggotty	12.58	3.82	23	17	13.85
Cascade	28.18	3.81	13	26	..	Lacovia	5.69	3.43	23	15	..
Lucea	9.53	2.50	28	16	8.12	Mulgrave	17.78	2.50	22	27	..
Haughton Court	..	..	..	..	7.18	Holland	12.41	3.11	23	19	..
Kendal—Hanover	18.33	2.44	13	26	..	Ipswich	14.12	1.73	4	27	..
Cousins Cove	13.12	2.35	10	23	..	Ginger Hill	20.93	2.42	12	24	..
Green River	11.18	1.42	28	23	..	Kempshot	17.11	2.56	24	25	9.67
Green Island	11.80	2.30	23	19	8.61	Mocho, St. James	17.50	3.05	24	18	..
Haughton Hall	9.43	1.30	23	24	..	Bandon Pen	15.81	5.23	24	22	..
CENTRAL SUB-DIVISION						Catadupa	17.38	4.55	24	22	14.00
Knollis	15.27	2.34	19	21	..	Cambridge	15.38	2.61	24	22	12.42
Highgate (St. Cath.)	20.74	2.54	16	28	..	New Market	20.39	3.00	23	21	13.14
Rio Magno	10.34	2.03	11	12	..	Kew Park	15.69	2.82	25	21	12.03
Riversdale	9.29	1.85	24	9	..	The Bog	17.71	2.72	24	21	13.75
Headworks, R.C.C.	13.51	2.73	23	16	9.03	Bethel Town Dist.	15.92	3.48	24	28	16.37
Bog Walk	15.95	3.00	28	16	..	Burnt Ground	11.69	3.42	24	24	12.28
Linstead	13.54	2.18	27	12	9.46	Haughton Grove	..	..	..	..	11.67
Ewarton	8.85	2.12	23	13	..	Darliston	21.12	3.33	24	25	14.89
Cave Valley	9.75	2.50	7	17	9.81	Bluefields	17.90	3.87	30	23	10.89
Guanaboa Vale	13.85	3.20	1	14	..	Whithorn	18.76	2.95	23	25	12.70
Point Hill	28.85	5.13	28	25	14.43	Water Works Pen	16.93	2.09	24	23	11.31
Brown's Hall	19.31	6.05	1	14	12.12	Williamsfield, Wld.	16.99	2.40	7	25	..
Bellas Gate	17.09	4.10	28	19	11.55	Baulk	18.26	2.98	7	23	..
Rock River	25.67	5.50	28	17	..	Askenish	31.89	4.75	13	21	14.36
Crofts Hill	18.12	3.81	23	21	10.10	Grange Hill	14.76	2.44	23	24	12.85
Far Enough	15.12	2.65	23	24	..	Mount Eagle	13.44	2.14	23	21	..
Suttons	18.66	5.44	28	20	..	King's Vale	4.09	0.60	17	17	9.27
Colonel's Ridge	19.32	3.00	23	23	..	SOUTHERN DIVISION (S.)					
Chapelton	18.96	5.53	28	20	12.13	Morant Point L.H.	13.77	6.19	31	21	11.35
Crooked River	15.92	4.53	28	20	..	Golden Grove	21.42	7.00	31	22	..
James Hill	16.82	2.94	13	24	..	Pleasant Hill	15.95	3.30	31	27	11.37
Frankfield	13.12	2.95	28	18	11.27	East Prospect	16.99	7.20	31	30	11.83
WEST-CENTRAL DIVISION (W.C.)						Morant Bay	17.74	4.58	31	24	12.12
Mocho, Clarendon	16.89	5.00	23	16	13.81	Aeolus Valley	13.54	3.58	31	19	..
Smithville	12.70	3.49	28	18	..	Yallahs	13.33	2.83	31	11	..
Clarendon Park	14.96	4.13	23	21	..	Easington	13.78	3.53	1	14	11.41
Porus	13.50	3.82	23	12	..	Llandewey	7.20	2.45	1	10	..
Borobridge	8.55	1.50	7	19	..	Mavis Bank	9.66	2.38	31	10	..
Spaldings	7.95	1.10	24	22	13.05	Mavis Bank Factory	..	..	..	..	..
Williamsfield	9.57	1.57	23	21	..	Bull Bay	5.95	2.30	1	8	7.33
Brokenhurst	13.82	4.52	28	12	13.95	Dallas Castle	8.25	2.21	31	15	..
Shooters Hill	9.89	2.18	28	14	12.08	Gordon Town	12.95	2.30	31	18	12.24
Wait-a-bit	20.15	2.20	6	23	..	Irish Town	10.45	3.00	7	15	10.54
Christiana	8.42	1.49	11	18	10.97	Hope Gardens	10.18	2.25	28	18	9.68
Helmwood	7.75	1.83	24	12	..	Waireka	..	..	..	..	..
Clifton Hill	13.98	3.20	28	11	15.41	Ivor	12.16	3.05	28	22	..
Kendal, Manchester	9.38	1.78	28	15	13.65	Barbican	..	..	..	..	..
						Plumb Point L. H.	4.75	1.85	1	7	7.15

STATIONS.	October, 1937.					STATIONS.	October, 1937.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
SOUTHERN DIVISION, <i>contd.</i>	Ins.	Ins.			Ins.	SOUTHERN DIVISION, <i>contd.</i>	Ins.	Ins.			Ins.
King's House Gar.	9.81	1.40	5	13	8.55	Hog Hole, S. Man.					12.69
Up-Park Camp	7.20	2.05	31	16		Stone's Hope	13.61	3.77	1	18	12.14
Cavaliers	7.59	1.62	31	19		Newport, Man.	11.56	2.90	1	16	11.79
St. Georges College	7.86	2.39	1	16		Alligator Pond	8.67	2.62	28	11	7.49
Upper Kingston	7.63	2.26	1	17	6.22	Fairfield	10.17	3.78	23	20	10.33
Parade Garden	5.46	1.10	1	12		Pepper					
Kingston P.W.O.	5.39	1.64	31	15	7.10	Myersville	7.43	2.82	21	7	
Constant Spring	15.72	3.52	28	21		Goshen					
Halfway Tree	12.59	2.34	27	15	8.05	Southfield, St. Eliz.	7.48	2.90	23	12	8.25
Clifton Pen	8.53	2.84	1	13	6.56	Windsor, St. Eliz.	9.57	3.45	23	17	
Seaward Pen	11.20	3.20	31	9		Torrington	12.10	4.60	23	11	10.09
Red Hills	19.56	2.86	7	23		Santa Cruz	16.37	4.12	11	19	11.93
Quarantine Station	6.76	4.55	2	13	5.34	Hounslow	6.70	2.70	23	6	
Hematine	9.79	2.38	25	13	6.86	Pedro Plains	7.47	3.83	23	6	5.44
Spanish Town	12.10	2.87	25	10	8.34	Mountainside					7.87
The Stewartry						Fort Charles	6.35	2.87	24	8	
Hog Hole, St. Cath.	11.20	2.87	25	15	8.94	Black River	10.78	1.82	19	20	8.06
Clairmont						Mt. Charles	8.83	1.35	23	21	
Old Harbour	12.42	5.17	23	15	9.50	Font Hill	14.25	2.60	11	15	8.81
May Pen	17.39	4.85	28	16	9.90	Mount Edgecombe	19.27	3.62	27	17	9.80
Glen Muir	13.55	3.00	28	11		Sweet River					9.94
Cottage	8.87	3.52	28	13		Sav.-la-Mar	10.93	2.77	23	17	8.87
Belle Plain	16.82	3.90	1	10		Little Lordon	18.13	3.28	12	19	10.50
Milk River	10.20	2.80	24	15	8.20	Retreat	13.97	2.47	23	18	10.10
Retrieve	7.79	1.66	1	12	9.44	Negril Point L.H.	12.27	2.22	12	21	8.21

## NOTES.

COMPARATIVE TABLE OF RAINFALL  
AND RAINY DAYS.

DIVISIONAL AND ISLAND RAINFALL.	October.			
	Rainfall.		Rainy Days.	
	1937.	Ave.	1937.	Ave.
	Ins.	Ins.		
North-Eastern	13.90	11.72	17	15
Northern	10.22	7.57	18	12
West-Central	15.62	12.31	20	17
Southern	11.61	9.24	15	13
The Island means	12.84	10.21	17	14

## SHOCKS OF EARTHQUAKE IN October, 1937.

Date.	Standard Time. (Approx.)	Intensity.	Notes, where, etc.
12th	4.45 p.m.	I	Kingston Hope Gardens Gordon Town.

N.B.—IT IS PARTICULARLY REQUESTED THAT ALL RAINFALL POST CARDS BE SENT IN NOT LATER THAN THE 5TH OF EACH MONTH.

## THE ISLAND—OCTOBER.

The Mean Rainfall greatly exceeded the average in all Divisions, and was well distributed, as the mean number of rainy days was 17, as compared with the average of 14.

The greatest total fall for the month was 31.89 inches at Askenish in the West-Central Division, and the heaviest fall in 24 hours was 10.00 inches at Quebec in the North-Eastern Division on the 31st.

East Prospect in the Southern Division had most rainy days—30.

The mean rainfall in each parish is given below, compared with the 10-year average. Portland with 16.92 inches was highest, followed by St. Thomas and Westmoreland with 16.38 inches each. Kingston, with 6.22 inches, was lowest.

Parish.	1937.	10-year Average.	Parish.	1937.	10-year Average.
	Inches.	Inches.		Inches.	Inches.
Kingston ..	6.22	6.83	St. James ..	10.43	9.34
St. Andrew ..	13.22	12.11	Hanover ..	14.35	11.70
St. Thomas ..	16.38	14.56	Westmoreland ..	16.38	12.17
Portland ..	16.92	13.58	St. Elizabeth ..	12.75	12.17
St. Mary ..	11.74	9.17	Manchester ..	11.07	14.24
St. Ann ..	8.74	7.68	Clarendon ..	15.24	12.72
Trelawny ..	10.87	8.74	St. Catherine ..	13.32	10.73

## CITY OF KINGSTON.

The total rainfall for the month of October, 1937 was 5.39 inches; the 60-year normal being 7.10 inches. The greatest fall in 24 hours was 1.64 inch on the 31st. There were 15 rainy days as compared to the 49-year average of 12. The upper boundary of Kingston gauged 7.63 inches with 17 rainy days.

The days upon which distant rain was observed are as follows:—To northward fourteen, to north-eastward four, to eastward five, to southeast one, to southwest four, to southward, west and northwest one each.

Distant lightning to northward on the 4th.

Distant thunderstorm to northward on nine days, to northeast two, to eastward one, to southward three, to southwest two, to west three and to northwest two. Local thunderstorm on 3rd and 4th in the afternoon.

The mean barometric pressure was 29.860 inches, representing 0.006 of an inch below the 33-year normal of 29.866 inches. The highest barometer reading was 29.912 ins. on the 5th at 3 p.m., and the lowest was 29.796 ins. on the 31st 9 p.m. corrected for diurnal variation.

The mean monthly temperature, based upon four observations per day, was 79.8°, the 33-year average being 79.4°, shewing 0.4° above the normal. The highest maximum was 92.2° on the 4th, and the lowest minimum was 71.3° on the 2nd giving an extreme monthly range of 20.9°; on the other hand the lowest maximum was 77.9° on the 31st, and the highest minimum was 75.7° on the 23rd. The maximum was 90° and above on six days and the minimum was above 70° throughout. The greatest daily range was 20.6° on the 4th and the least 5.3° on the 31st.

The mean daily miles of wind registered was 152, the average for 25 years being 155. The greatest number of miles recorded in 24 hours was 215 on the 11th, and the least 90 on the 26th. The highest hourly velocity was 30 m.p.h. on the 11th at about 2.10 p.m. Southeasterly wind continued after 7 p.m. on 4 occasions.

The mean relative humidity was 84%, which corresponds to the 33-year normal. The mean 7 a.m. was 87%, and the mean 3 p.m. 75%. The lowest 7 a.m. was 80% on the 20th and the lowest 3 p.m. was 55% on the 4th. Overcast conditions prevailed in the forenoon on twelve occasions, and in the afternoon twenty.

The total evaporation for October was 3.79 ins., the 10-year normal being 4.05 ins.

The mean daily number of sunshine hours was 8.2.

## CAYMAN ISLANDS.

Government House, Georgetown, Grand Cayman:—Total rainfall for October, 1937, was 11.68 inches. Greatest fall in 24 hours 3.40 inches on the 7th with 10 rainy days.

J. F. BRENNAN.  
Government Meteorologist.

Kingston, Jamaica.

November 20th, 1937.



JAMAICA  
**WEATHER REPORT.**  
FOR THE MONTH OF  
NOVEMBER, 1937.

The barometric pressures at all the Stations, except the Hill Gardens, are reduced to the standards of Kew 32°, gravity at Lat. 45° and mean sea-level. The bar. at Hill Gardens is reduced to the first two standards only. Thermometers are exposed in Stevenson's Screen; their readings have been corrected for instrumental errors.

The miles of Wind per diem are measured by Robinson's Anemometers, the factor 3 being assumed correct for the four-cup instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky; the Lower (L) clouds are for the most part fracto-stratus; the Middle (M) clouds cumulus and the Upper (U) clouds, cirrus and cirro-stratus.

The rainfall is measured at 7 a.m., and entered as having fallen on the previous day.

The 75th Meridian Time West of Greenwich adopted from 1st February, 1912.

METEOROLOGICAL RESULTS.

STATIONS.	Elevation.	Bar. Pressure		Temperature. (F.)					Extreme Temperature. (F)				
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range.	Max.	Date.	Min.	Date.	Range.
		ins.	ins.	°	°	°	°	°	°	°	°	°	°
Morant Point Light House	8	29.873	29.836	78.1	82.4	84.6	74.1	10.5	87.9	5	68.1	13	19.8
Kingston	24	29.851	29.801	73.6	83.7	85.6	72.2	13.4	88.9	9	68.3	30	20.6
Negril Point Light House	33	29.861	29.816	75.3	83.0	85.3	72.7	12.6	89.3	7	69.6	16*	19.7
Montego Bay†	33	..	..	78.0	83.2	86.2	71.9	14.3	90.0	28	67.0	16	23.0
Castleton Gardens	496	..	..	71.6	79.1	82.1	70.6	11.5	86.0	3*	65.0	16*	21.0
Hope Gardens†	668	29.906	29.819	72.5	85.5	85.7	69.8	15.9	90.0	19	67.0	30	23.0
Hill Gardens	4,900	25.227	25.194	64.0	65.0	..	..	..	..	..	..	..	..

STATIONS.	Elevation.	Dewpoint and Rel. Humidity.					Rainfall.	Wind per diem.	Wind: direction from and miles per hour.				Amount of Cloud. Lower, Middle and Upper.					
		7 a.m.		3 p.m.					7 a.m.	3 p.m.			7 a.m.			3 p.m.		
		ft.	°	%	°	%			ins.	Mls.	Dir.	m.p.h.	Dir.	m.p.h.	L.	M.	U.	L.
Morant Point Light House	8	74	87	76	81	20.18	230	SE	10.0	SE	10.0	4.2	1.1	1.9	4.5	2.1	1.2	
Kingston	24	71	91	75	74	5.39	131	N	4.3	SE	7.9	3.8	0.3	3.2	4.2	1.3	1.6	
Negril Point Light House	33	71	88	74	75	7.97	141	NE	5.6	Var.	7.0	3.7	1.1	3.1	2.3	2.4	3.2	
Montego Bay Castleton	33	73	86	77	80	23.55	..	ESE	2.0	NE	3.0	..	..	..	..	..	..	
Gardens	496	71	95	76	88	38.60	..	..	..	..	..	..	..	..	..	..	..	
Hope Gardens	668	69	89	73	69	10.20	..	..	..	..	..	..	..	..	..	..	..	
Hill Gardens	4,900	62	93	63	91	21.75	..	..	..	..	..	..	..	..	..	..	..	

\* And on other days.

† Hope Gardens—observations made at 9 a.m. and 3 p.m.

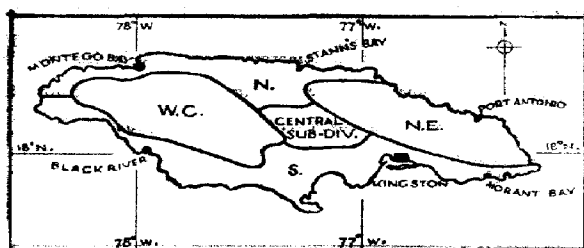
† Montego Bay—observations made at 8 a.m. and 3 p.m.

## THE RAINFALL.

The first four columns contain all the information relating to the Rainfall for the month received for publication up to the time of sending this report to press; the last columns contain the corresponding Rainfall average for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1929." In obtaining the mean rainfall for the month only those stations are considered for which the average Rainfall has been also given in the last columns that the results derived from these two columns are comparable for each Division. These results are given in the comparative table at the end of this Rainfall Return so as to arrive at the mean for the whole Island, embracing the four Divisions.

The Northern Division comprises the northern shore from Port Maria to Davis' Cove, including the central part of the Island which forms the Central Sub-divisions; the Southern Division comprises the southern shore from Holland Bay to South Negril; the North-Eastern and West-Central Divisions are the remaining parts of the Island bounded by the sea and the other Divisions.

A Map showing these Rainfall Divisions is published in Mr. Maxwell Hall's "Rainfall of Jamaica," following page 27, 1911 Edition, and of page 33 of 1934 Edition, an outline of which is given below.



November, 1937.

STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 00.1 or more fell.	Average.
		Amount.	Date.		
NORTH-EASTERN DIVISION (N.E.)					
Marchionel	26.18	4.69	25	25	14.25
Priestman's River	10.87	2.00	23	15	11.66
Bath	30.75	10.54	23	20	14.24
Barrett's Gap	31.21	11.00	23	20	
Millbank	82.37	21.60	23	20	
Comfort Castle	83.05	21.50	23	21	
Moore Town	73.77	20.00	23	24	33.29
Port Antonio	31.95	5.50	18	23	16.98
Passley Garden	30.79	3.73	28	23	
Fellowship	47.06	11.95	18	21	25.41
Johnson River Br.	14.70	4.25	23	16	8.91
Trinity Ville	10.80	2.28	28	15	
Fruitful Vale	45.78	14.69	23	23	
Hope Bay	42.35	14.50	22	15	
Cedar Valley	11.61	1.52	22	19	12.07
Moy Hall					17.45
Paradise					
Lennox	28.36	7.69	23	19	
Greenvale	46.76	20.86	23	21	33.76
Darley	46.90	8.65	20	17	
Spring Garden	28.58	6.06	23	17	13.01
Hill Gardens	21.75	7.00	23	19	15.57
Buff Bay	27.96	4.60	22	24	15.92
Buff Bay R. Est.	30.05	8.20	23	22	
Belvedere, Portland	7.55	2.00	24	10	15.52
Windsor Castle, do.	32.49	5.18	22	23	15.45
Balcarras	50.26	20.00	23	20	
Mt. Holstein	42.02	18.59	23	25	30.39
Cedar Hurst	35.55	14.50	23	28	
Hardware Gap	31.19	11.31	23	24	16.76

November, 1937.

STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
NORTH-EASTERN DIVISION, contd.					
Rose Hill	7.38	1.09	29	17	15.38
Mount Cressy	35.92	12.00	23		
Hermitage	13.97	1.92	23	24	
Mount Airy	27.18	8.52	23	22	
Stony Hill Ind. Sch.	12.07	2.35	23	18	8.19
Boon Hall	13.60	2.77	23	21	
Brandon Hill	25.26	8.00	23	22	
Enfield	28.37	10.00	23	19	
Agualta Vale	19.42	4.55	23	20	11.68
Castleton Gardens	38.60	15.10	23	21	16.40
Water Valley	18.45	4.06	23	20	10.84
Albany	15.45	2.52	22	19	11.16
Lawrence Tavern	15.04	2.43	22	17	9.69
Wey Hill	17.10	5.42	23	20	
Richmond, St. Mary	14.83	4.75	23	17	12.12
Quebec, St. Mary					9.79
Above Rocks	10.30	1.80	23	13	
Glengoffe	13.13	4.00	23	15	
Carew Castle	9.18	1.65	23	15	10.69
Hampstead, St. Mary	20.22	3.25	22	19	16.24
Windsor Castle do.	20.48	6.20	23	23	
Troja	13.06	5.30	23	15	
Pear Tree Grove	12.78	4.15	23	12	
Guy's Hill	16.38	5.77	23	21	10.74
Lucky Hill	21.73	3.75	18	22	14.78
Rio Hoe	13.37	5.02	23	17	10.78
Unity Valley	14.58	3.25	23	23	10.35
Moneague	12.72	2.45	23	24	11.84
Claremont	15.91	5.30	23	20	11.99
Averham Park	18.76	4.20	23	21	13.38
Albion	17.56	6.04	23	20	10.62
NORTHERN DIVISION (N).					
Port Maria	24.28	4.40	1	22	11.02
Wentworth	25.78	6.35	1	21	
Oracabessa	27.23	5.90	21	25	
Huddersfield	26.56	10.16	21	13	
Ocho Rios	21.97	7.23	22	14	9.50
Rockfield	18.05	6.37	22	22	15.09
Liberty Hill	16.32	5.00	22	15	11.06
St. Ann's Bay	21.45	5.44	21	21	9.58
Richmond Estate	14.60	3.76	21	23	9.64
Runaway Bay	12.19	3.04	22	15	3.98
Knapdale	17.25	4.74	22	23	
Alexandria	8.51	1.55	23	22	5.45
Bel-Air	17.75	3.95	22	20	
Brown's Town	14.86	3.68	23	25	11.23
Wilton	15.73	3.67	22	22	
Watt Town, St. Ann	6.34	1.65	23	20	5.15
Home Castle	16.95	5.15	22	13	9.00
Arcadia	10.93	3.10	23	21	7.50
Vale Royal	11.33	3.24	23	24	7.75
Harmony Hall	9.86	1.90	23	19	6.11
Duncans	9.96	2.20	22	17	
Clark's Town	13.50	3.52	23	19	
Falmouth	12.46	2.15	23	20	5.02
The Hague					
Wales					

November, 1937.						November, 1937.					
STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.	STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
NORTHERN DIVISION, contd.						WEST-CENTRAL DIVISION, contd.					
Adelphi	14.14	3.12	22	21	..	Mereworth	10.76	2.90	28	16	..
Barrett Hall	19.47	3.45	21	17	..	Mandeville	8.83	2.67	1	16	7.05
Success	17.16	3.60	21	18	5.22	Ulster Spring	11.45	2.69	4	18	7.30
Rose Hall	19.30	4.40	21	19	5.71	Greenvale	7.41	1.60	1	12	..
Cinnamon Hill	19.46	4.47	21	19	5.56	Albert Town	16.61	5.00	4	17	7.40
Tryall	20.20	6.20	21	18	4.30	Craig Head	11.56	1.89	4	15	..
Running Gut	17.54	4.20	21	19	5.21	Warsop	15.23	2.03	4	17	..
Spring Estate	22.55	10.00	21	18	5.74	Troy	14.86	4.00	23	17	7.07
Friendship	24.77	6.43	21	19	5.97	Wallingford	7.60	1.44	20	18	6.87
Retirement	25.05	6.34	21	23	6.54	Balaclava	7.92	1.43	4	14	5.93
Rose Mount	23.30	8.17*	21	23	..	Braes River	5.51	1.18	20	15	..
Montego Bay	23.55	9.05	21	14	5.10	Wakefield	13.66	2.54	21	21	..
Anchovy	10.17	2.04	22	17	3.23	Aberdeen	7.70	1.15	3	13	..
Hopewell	27.83	8.95	21	19	..	Accompong	7.00	..	..	21	..
Blue Hole	26.54	10.37	21	14	8.07	Maggotty	7.26	1.72	20	10	6.81
Cascade	29.43	6.76	21	16	..	Lacovia	7.12	1.78	20	12	..
Lucea	16.05	6.20	21	12	5.82	Mulgrave	9.72	2.81	20	13	..
Haughton Court	..	..	..	..	4.58	Holland	8.09	1.96	20	16	..
Kendal—Hanover	11.22	2.16	22	17	..	Ipswich	7.54	1.86	20	12	..
Cousins Cove	13.82	2.85	21	22	..	Ginger Hill	9.00	2.35	3	14	..
Green River	6.77	1.52	17	12	..	Kempshot	20.79	4.14	22	22	6.70
Green Island	9.33	2.06	21	11	4.62	Mocho, St. James	17.45	4.60	20	14	..
Haughton Hall	6.65	1.50	22	20	..	Bandon Pen	17.97	4.27	11	16	..
CENTRAL SUB-DIVISION.						Catadupa	13.99	2.50	20	16	8.01
Knollis	8.62	1.86	2	15	..	Cambridge	6.88	1.74	20	10	5.53
Highgate (St Cath)	6.53	1.00	5	21	..	New Market	4.17	1.65	20	6	7.39
Rio Magno	9.72	3.69	23	14	..	Kew Park	8.80	2.00	4	15	5.66
Riversdale	13.00	1.85	29	10	..	The Bog	5.35	1.55	20	10	6.66
Headworks, R.C.C.	3.78	1.06	29	9	5.12	Bethel Town Dist.	12.29	2.24	4	17	7.50
Bog Walk	9.03	2.00	6	10	..	Burnt Ground	..	..	..	..	5.96
Linstead	6.36	2.00	5	11	6.47	Haughton Grove	..	..	..	..	5.46
Ewarton	5.65	1.43	2	11	..	Darliston	10.42	1.66	20	17	7.35
Cave Valley	6.23	1.50	6	10	5.30	Bluefields	6.66	1.95	1	14	6.48
Guanaboa Vale	..	..	..	..	..	Whithorn	11.58	4.85	1	14	6.06
Point Hill	8.77	1.63	28	14	10.01	Water Works Pen	10.24	3.80	1	10	4.90
Brown's Hall	7.93	2.08	1	12	10.46	Williamsfield, Wld.	14.65	4.15	1	12	..
Bellas Gate	5.07	0.90	29	14	3.56	Baulk	9.88	3.95	1	13	..
Rock River	6.24	2.00	24	12	..	Askenish	20.02	4.67	22	14	5.04
Crofts Hill	4.51	1.50	28	12	6.40	Grange Hill	7.29	3.05	1	15	5.66
Far Enough	5.03	0.95	23	17	..	Mount Eagle	6.51	2.50	1	14	..
Suttons	8.14	2.03	1	14	..	King's Vale	3.47	1.10	22	8	5.05
Colonel's Ridge	5.70	1.00	28	15	..	SOUTHERN DIVISION (S.)					
Chapelton	6.98	1.47	18	13	4.83	Morant Point L. H.	20.18	3.94	24	25	7.97
Crooked River	6.05	1.15	1	13	..	Golden Grove	21.57	3.92	1	24	..
James Hill	6.58	1.52	29	12	..	Pleasant Hill	20.73	3.27	1	23	8.87
Frankfield	7.06	1.46	29	13	4.39	East Prospect	17.41	3.20	23	25	10.31
WEST-CENTRAL DIVISION (W.C.)						Morant Bay	15.13	2.16	23	20	7.22
Mocho, Clarendon	8.02	2.06	28	11	5.67	Aeolus Valley	10.44	1.83	2	17	..
Smithville	6.55	1.35	28	14	..	Yallahs	9.05	2.00	2	11	..
Clarendon Park	8.65	1.92	1	13	..	Easington	8.25	1.21	1	18	5.38
Porus	7.40	3.05	18	8	..	Llandewey	6.34	2.70	1	11	..
Borobridge	5.92	0.72	29	15	..	Mavis Bank	8.06	1.61	23	13	..
Spaldings	6.11	0.95	28	12	4.88	Mavis Bank Factory	..	..	..	..	..
Williamsfield	6.42	1.60	1	13	..	Bull Bay	4.73	0.87	11	11	3.10
Brokenhurst	12.79	3.30	28	11	7.29	Dallas Castle	12.23	1.79	6	22	..
Shooter's Hill	6.77	1.50	28	10	6.74	Gordon Town	12.49	1.91	23	16	9.01
Wait-a-bit	12.79	2.02	4	18	..	Irish Town	19.26	5.50	23	18	8.98
Christiana	6.46	1.34	28	14	6.35	Hope Gardens	10.20	2.49	5	22	5.80
Holmwood	6.13	1.46	18	10	..	Waireka	..	..	..	..	..
Clifton Hill	8.12	3.00	1	6	5.44	Ivor	10.79	1.70	22	20	..
Kendal, Manchester	7.96	2.04	30	12	6.41	Barbican	..	..	..	..	..
						Plumb Point L. H.	9.25	3.45	2	13	2.45

\* Gauge overflowed.



STATIONS.	November, 1937.					STATIONS.	November, 1937.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
SOUTHERN DIVISION, contd.	Ins.	Ins.			Ins.	SOUTHERN DIVISION, contd.	Ins.	Ins.			Ins.
King's House Gar.	11.48	3.22	28	17	4.75	Hog Hole, S. Man.	...	...	...	...	5.20
Up-Park Camp	4.69	0.93	28	11		Stone's Hope	9.50	2.10	28	11	5.58
Cavaliers	5.73	1.47	29	18		Newport, Man.	9.84	2.15	28	13	6.73
St. Georges College	5.71	1.20	2	13		Alligator Pond	8.45	3.20	11	10	3.55
Upper Kingston	5.13	1.10	2	16	2.52	Fairfield	7.51	2.22	1	18	6.59
Parade Garden	5.28	1.40	2	13		Pepper	...	...	...	...	
Kingston P.W.O.	5.39	1.10	2	15	2.92	Myersville	6.92	1.79	29	11	
Constant Spring	9.78	2.05	29	22		Goshen	8.44	1.20	20	12	
Halfway Tree	6.06	1.12	29	16	4.05	South, St. Eliz.	9.18	2.71	28	13	4.69
Clifton Pen	8.18	1.28	17	14	4.82	Windsor, St. Eliz.	6.97	1.32	28	18	
Seaward Pen	7.60	1.80	29	10		Torrington	8.69	2.33	11	8	6.57
Red Hills	8.46	1.28	29	22		Santa Cruz	5.99	2.08	20	9	6.09
Quarantine Station	8.40	1.88	26	15	2.56	Hounslow	9.20	2.55	2	9	
Hematine	6.84	1.69	2	10	3.67	Pedro Plains	8.45	2.58	20	7	3.85
Spanish Town	6.50	1.65	28	8	3.80	Mountainside	10.69	2.93	18	16	5.88
The Stewartry						Fort Charles	5.09	2.05	20	7	
Hog Hole, St. Cath.	6.31	1.42	29	12	4.60	Black River	5.62	1.69	20	11	4.36
Clairmont						Mt. Charles	4.74	1.45	18	10	
Old Harbour	8.10	1.54	1	12	4.67	Fort Hill	6.55	1.85	1	8	4.82
May Pen	7.46	1.83	1	13	4.60	Mount Edgecombe	8.65	3.21	1	11	4.98
Glen Muir	7.15	2.75	1	6		Sweet River	...	...	...	...	3.82
Cottage	9.27	2.59	28	10		Sav.-la-Mar	9.11	6.02	1	10	3.67
Belle Plain	10.49	3.50	1	10		Little London	9.60	3.50	1	12	3.98
Milk River	6.76	2.20	28	11	5.12	Retreat	6.25	2.15	1	11	4.60
Retrieve	8.29	2.00	29	8	5.22	Negril Point L. H.	7.97	2.82	1	15	3.83

## NOTES.

COMPARATIVE TABLE OF RAINFALL  
AND RAINY DAYS.

DIVISIONAL  AND  ISLAND RAINFALL.	November.			
	Rainfall.		Rainy Days.	
	1937.	Ave.	1937.	Ave.
	Ins.	Ins.		
North-Eastern	23.14	15.52	20	16
Northern	14.28	6.42	17	11
West-Central	9.74	6.21	14	11
Southern	9.35	5.01	14	9
The Island means	14.13	8.29	16	12

## SHOCKS OF EARTHQUAKE IN NOVEMBER, 1937

Date.	Standard Time. (Approx.)	Intensity.	Notes, where, etc.
			None reported.

N.B.—IT IS PARTICULARLY REQUESTED THAT ALL RAINFALL POST CARDS BE SENT IN NOT LATER THAN THE 5TH OF EACH MONTH.

## THE ISLAND—NOVEMBER.

The mean rainfall greatly exceeded the average in all Divisions, particularly in the North-eastern and Northern Divisions.

Very heavy flood rains fell in the northern and western parishes on the 21st to 22nd, and caused serious damage to roads in the parishes of St. Mary, St. Ann, Trelawny, St. James and Hanover, particularly the two latter. Flood rains also fell in Portland on 23rd to 24th, resulting in heavy damage to roads, bridges and private property, and the loss of many lives.

The greatest total fall for the month was 83.05 inches at Comfort Castle in Portland. 82.37 inches fell at Millbank, 73.77 inches at Moore Town and 50.26 inches at Balcarres, all in Portland, and six other stations registered over 40 inches.

The heaviest fall in 24 hours was 21.60 inches at Millbank in Portland on the 23rd. 21.50 inches fell at Comfort Castle, 20.86 inches at Greenvale and 20.00 inches at Moore Town and Balcarres, all in Portland, also on the 23rd.

The mean number of rainy days was 16, the average for the month being 12. Cedar Hurst in Portland had most rainy days—28.

The mean rainfall in each parish is given below, compared with the 10-year average. Portland with 40.51 inches was highest, St. Mary with 21.36 inches second, and St. James with 18.54 inches was third. The average was exceeded in all parishes.

Parish.	1937.	10-year Average.	Parish.	1937.	10-year Average.
	Inches.	Inches.		Inches.	Inches.
Kingston ..	6.15	3.10	St. James ..	18.54	7.31
St. Andrew ..	13.70	11.56	Hanover ..	15.65	6.60
St. Thomas ..	16.30	9.68	Westmoreland ..	9.08	5.32
Portland ..	40.51	26.04	St. Elizabeth ..	7.41	5.68
St. Mary ..	21.36	14.21	Manchester ..	8.48	6.11
St. Ann ..	15.06	10.07	Clarendon ..	6.98	5.26
Trelawny ..	12.72	7.73	St. Catherine ..	8.82	7.58

## CITY OF KINGSTON.

The total rainfall for the month of November 1937 was 5.39 inches. The 60-year normal being 2.92 inches, or nearly double that of the normal. The greatest fall in 24 hours was 1.10 of an inch on the 2nd. There were fifteen rainy days, as compared to the normal of eight. The upper boundary of Kingston gauged 5.13 inches with sixteen rainy days.

The days upon which distant rain was observed are as follows:—

To northward, five; to north-eastward, one; to eastward, four; to south-eastward, one; to southward, three; to westward, one; and to north-westward, one.

Distant lightning to northward and to west one day.

Distant thunderstorm to northward one day, to north-eastward three, to eastward two, to southward and westward three each, to north-west once. Local thunderstorm on the 3rd in the afternoon.

Fresh "Northerly" at intervals from the 16th to 26th.

South-east rainsquall on the 19th in the forenoon.

The mean barometric pressure was 29.838 inches, shewing 0.054 inch below the 33 year normal of 29.892 ins. The highest barometer reading was 29.903 inches on the 18th at 7 a.m., and the lowest was 29.699 ins. on the 11th at 7 p.m. corrected for diurnal variation.

The mean monthly temperature, based upon four observations per day was 78.3 degrees; the 33 year normal being also 78.3 degrees. The highest maximum was 88.9 degrees on the 9th, and the lowest minimum was 68.3 degrees on the 30th, giving an extreme monthly range of 20.6 degrees—on the other hand the lowest maximum was 80.6 degrees on the 29th, and the highest minimum was 73.9 degrees on the 28th. The maximum was below 90 degrees throughout, and the minimum was below 70 degrees on 3 days. The greatest daily range was 18.5 degrees on the 30th, and the least range was 7.0 degrees on the 29th.

The mean daily miles of wind registered was 137. The 25 year average being 141 or 3% below normal. The greatest number of miles of wind recorded in 24 hours was 220 on the 2nd, and the least was 97 on the 26th. The highest hourly velocity was 24 m.p.h. on the 19th at 3 p.m. South-easterly wind appeared early once, and continued after 7 p.m. on 6 occasions.

The mean relative humidity was 85%. The 33 year normal being 82%. The mean 7 a.m. was 91% and the mean 3 p.m. 74%. The lowest 7 a.m. was 78% on the 16th, and the lowest 3 p.m. 66% on the 15th and 30th.

Overcast conditions prevailed in the forenoon on 22 occasions, and in the afternoon on 18.

Total evaporation for November 1937, 2.74 ins. (owing to 16 days of rain). The 10 year average being 3.55 ins.

The mean daily number of sunshine hours was 5.7.

## CAYMAN ISLANDS.

Government House, Georgetown, Grand Cayman. Total rainfall for November, 1937, was 15.07 inches. Greatest fall in 24 hours 6.10 inches on the 28th with 14 rainy days. Hail fell on the 28th.

J. F. BRENNAN,

Government Meteorologist.

Kingston, Jamaica.

December 20th, 1937.

## CORRIGENDUM.

Weather Report No. 729, Page 4, Comparative Table omitted:—

Division.	Rainy Days.
North-eastern ..	8
Northern ..	6
West-central ..	11
Southern ..	6
The Island ..	8

## EXCESSIVE RAINS OF NOVEMBER 1937.

During the month of November this year, owing to the excessive floods experienced in the latter half of the month, a rainfall map has been prepared and shewn on the last page based upon about 200 rainfall stations returns, showing the contour lines of each successive 10-inch increment up to the maximum in the records bordering on 80 to 90 inches totals for November.

At a glance of the map it will be disclosed that nearly the entire section of the Southern Division, from Green Island to Morant Bay represented, relatively, the least total rainfall, limited to 10 inches. Also an elongated isolated area, for the greater part, located in the West-central Division, starting from the vicinity of Balaclava, in St. Elizabeth, through upper Manchester, extending so far as Croft's Hill in Clarendon, embracing about thirty miles from west to east, and an average width, north to south, of seven miles, representing, relatively, the least mean rainfall recorded, falling within the limit of 10 inches.

We proceed next to consider a section of country, confined to rainfall totals gauged between 10 to 20 inches. Commencing from a westward boundary, along a coastline Hanover, lying from near to Green Island to a point a little to the east of Lucea, and continuing to eastward (excluding the area around Montego Bay), along nearly the entire northern coastal region, from Little River, in St. James, to St. Ann's Bay, then along country from Riversdale, in St. Catherine, towards the eastern termination at Morant Point. This covers an average width of country of about 15 miles.

From Oracabessa, in St. Mary, proceeding eastward, along the northern coast to Port Antonio, for a short distance inland, the range of precipitation was confined to gaugings from 20 to 30 inches.

The area flooded around Montego Bay, extending to the south-eastward, also recorded falls ranging from 20 to 30 inches. The greatest total falls of 27 and 28 inches, for the month, appear to have occurred near to the mouth of the Great River, in Hanover, to the west of Montego Bay. At Kempshot, lying to the southeast of Montego Bay, the total fall for the month was nearly 21 inches, but between the 18th and 28th over 14 inches fell. The greatest fall in 24 hours was 4 inches on the 22nd, near to the time of the flood damages, around the Montego Bay area. At Montego Bay the total fall for the month was nearly 24 inches, but between the 20th and 24th nearly 19 inches fell. The greatest fall in 24 hours was 9 inches on the 21st.

As the north-eastern part of the country, in Portland, suffered great loss of life and property, from floods, the following rainfall particulars are presented.

Excessive precipitation occurred in and around the valley of the Rio Grande, as follows: Millbank, near the southern boundary line of the parish of Portland, near to the Rio Grande, gauged for the month the phenomenal amount of 83½ inches. But between the 17th and 29th, 73½ inches fell. The greatest fall in 24 hours was 21½ inches on the 23rd, unfortunately the rain gauge overflowed.

Comfort Castle, a little to the west of Millbank, gauged for the month, 83 inches. Between the 17th and 29th, 73½ inches fell. The greatest fall in 24 hours was 21½ inches on the 23rd, almost identical with that of Millbank.

Moore Town, about four miles further to the north of Millbank, gauged for November, 74 inches. From the 17th to the 29th, 64 inches were gauged, and the greatest fall in 24 hours was 20 inches on the 23rd.

Fellowship, which lies still farther north along the Rio Grande Valley, gauged for the month 47 inches. Between the 17th and 29th, 40 inches fell; and the greatest fall in 24 hours was 11 inches on the 19th. Then Port Antonio, about 5 miles to the eastward of the mouth of the Rio Grande, gauged for the month 32 inches; the greatest fall in 24 hours was 5½ inches on the 18th, with nearly 24 inches during the latter half of the month.

It is worthy of note that Priestman's River, situated about seven miles to the northeast of Moore Town, reported only 11 inches of rainfall, or about one-seventh that of the Moore Town total.

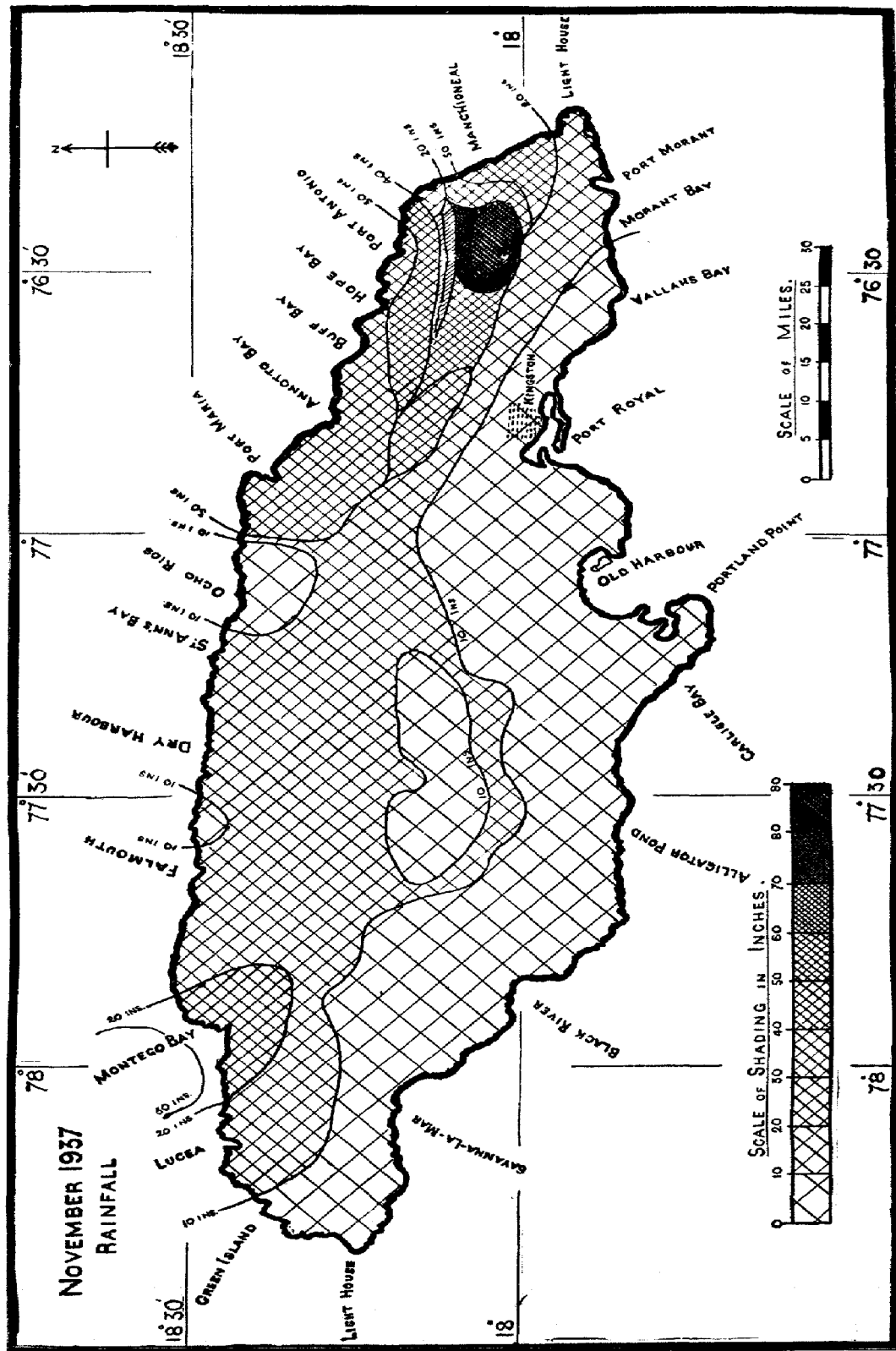
The total Island Rainfall, including all the Divisions, exceeded greatly the 60-year normal, giving 14.13 inches as against the normal of 8.29 inches.

There was low barometric pressure from the 11th to the 13th, giving on one day two-tenths of an inch below the normal, which, evidently, owing to an extensive region of low pressure, culminated in developing the formation of "northers" ranging from fresh to brisk, as experienced over most parts of the Island.

For the purpose of comparison, in order to show that this November mean rainfall was exceeded in November of other years, the following figures are given. The flood rains of November, 1909, gave a mean total of 21 inches. These floods were intense upon the Blue Mountain Range. For example, at Silver Hill Plantation the gauge recorded 135 inches in 8 days. Radnor recorded 126 inches and its gauge over-flowed. Farm Hill Plantation recorded 121 inches in 12 days, and other stations reported lesser falls. Then in the year 1912, owing to the hurricane of November 18th, which swept the western parts of the Island, the general mean rainfall for that month was nearly 27 inches.

J. F. BRENNAN,  
Govt. Meteorologist.

Kingston, Jamaica.  
December 20th, 1937.



Map of the Island shewing the relative totals of Rainfall for November, 1937.



JAMAICA  
**WEATHER REPORT.**  
 FOR THE MONTH OF  
 DECEMBER, 1937.

The barometric pressures at all the Stations, except the Hill Gardens, are reduced to the standards of Kew 32°, gravity at Lat. 45° and mean sea-level. The bar. at Hill Gardens is reduced to the first two standards only. Thermometers are exposed in Stevenson's Screen; their readings have been corrected for instrumental errors.

The miles of Wind per diem are measured by Robinson's Anemometers, the factor 3 being assumed correct for the four-cup instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky; the Lower (L) clouds are for the most part fracto-stratus; the Middle (M) clouds cumulus and the Upper (U) clouds, cirrus and cirro-stratus.

The rainfall is measured at 7 a.m., and entered as having fallen on the previous day.

The 75th Meridian Time West of Greenwich adopted from 1st February, 1912.

**METEOROLOGICAL RESULTS.**

STATIONS.	Elevation.	Bar. Pressure		Temperature. (F.)					Extreme Temperature. (F)				
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range.	Max.	Date.	Min.	Date.	Range.
		ft.	ins.	ins.	°	°	°	°	°	°	°	°	°
Morant Point Light House	8	29.949	29.917	78.6	80.5	82.3	76.0	6.3	84.6	19	70.6	9	14.0
Kingston	24	29.920	29.866	70.7	84.3	85.7	69.7	16.0	88.9	27	63.2	5	25.7
Negril Point Light House	33	29.942	29.893	73.9	81.9	84.2	71.6	12.6	87.6	24	63.4	5	24.2
Montego Bay†	33	..	..	75.3	81.0	82.8	70.1	12.7	85.9	23	65.0	5*	20.9
Castleton Gardens	496	..	..	71.5	80.3	79.9	68.2	11.7	83.0	9	62.0	22	21.0
Hope Gardens†	668	29.969	29.863	71.1	83.1	86.2	67.3	18.9	89.0	1*	62.0	5	27.0
Hill Gardens	4,900	25.240	25.224	63.4	65.1	67.5	54.5	13.0	70.0	28	53.0	4*	17.0

STATIONS.	Elevation.	Dewpoint and Rel. Humidity.				Rainfall.	Wind per diem.	Wind: direction from and miles per hour.				Amount of Cloud. Lower, Middle and Upper.					
		7 a.m.		3 p.m.				7 a.m.		3 p.m.		7 a.m.			3 p.m.		
	ft.	°	%	°	%	ins.	Mls.	Dir.	m.p.h.	Dir.	m.p.h.	L.	M.	U.	L.	M.	U.
Morant Point Light House	8	72	79	72	76	4.64	380	NNE	22.0	NNE	19.0	3.7	1.4	1.6	3.5	2.3	0.9
Kingston	24	67	86	69	63	0.58	155	N	5.4	SSE	8.3	2.6	0.1	2.7	2.7	1.9	1.7
Negril Point Light House	33	67	79	69	66	0.40	178	NE	7.0	NE	9.7	3.4	1.1	3.1	2.2	2.7	1.3
Montego Bay	33	70	84	73	76	3.03	..	E	4.0	ENE	5.0	..	..	..	..	..	..
Castleton Gardens	496	69	95	72	76	19.82	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	66	86	72	69	1.36	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens	4,900	61	91	62	89	5.05	..	..	..	..	..	..	..	..	..	..	..

\* And on other days.

† Hope Gardens—observations made at 9 a.m. and 3 p.m.

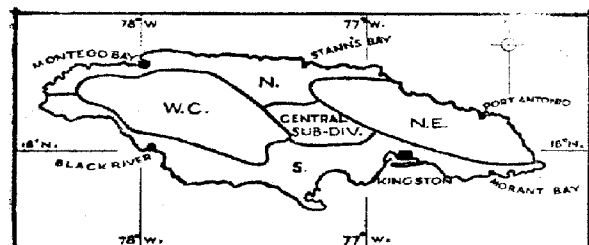
‡ Montego Bay—observations made at 8 a.m. and 3 p.m.

## THE RAINFALL.

The first four columns contain all the information relating to the Rainfall for the month received for publication up to the time of sending this report to press; the last columns contain the corresponding Rainfall average for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1929." In obtaining the mean rainfall for the month only those stations are considered for which the average Rainfall has been also given in the last columns that the results derived from these two columns are comparable for each Division. These results are given in the comparative table at the end of this Rainfall Return so as to arrive at the mean for the whole Island, embracing the four Divisions.

The Northern Division comprises the northern shore from Port Maria to Davis' Cove, including the central part of the Island which forms the Central Sub-divisions; the Southern Division comprises the southern shores from Holland Bay to South Negril; the North-Eastern and West-Central Divisions are the remaining parts of the Island bounded by the sea and the other Divisions.

A Map showing these Rainfall Divisions is published in Mr. Maxwell Hall's "Rainfall of Jamaica," following page 27, 1911 Edition, and of page 33 of 1934 Edition, an outline of which is given below.



December, 1937.

STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
<b>NORTH-EASTERN DIVISION (N.E.)</b>	Ins.	Ins.			Ins.
Manchioneal	6.48	1.08	11	17	7.25
Priestman's River	3.66	1.05	8	12	5.59
Bath	11.97	4.07	9	14	8.68
Barrett's Gap	12.40	4.20	9	15	
Millbank					
Comfort Castle	49.62	14.50	8	27	
Moore Town	29.82	8.50	8	29	23.75
Port Antonio	12.70	4.05	8	19	12.43
Passley Garden	11.75	3.03	8	17	
Fellowship	20.57	4.90	2	20	18.25
Johnson River Br.	4.39	1.80	8	7	4.73
Trinity Ville	3.44	1.30	8	6	
Fruitful Vale	34.94	6.40	8	21	
Hope Bay	17.73	4.55	7	15	
Cedar Valley	5.05	1.53	12	11	4.29
Moy Hall					5.56
Paradise	41.51	10.50	22	26	
Lennox	20.44	2.87	22	19	
Greenvale	48.57	8.39	21	23	22.57
Darley	16.04	3.94	8	20	
Spring Garden	13.37	2.85	11	14	8.06
Hill Gardens	5.11	0.95	13	12	9.68
Buff Bay	14.88	4.45	31	17	11.80
Buff Bay R. Est.	24.76	5.20	21	25	
Belvedere, Portland	19.30	3.00	13	13	13.85
Windsor Castle, do.	14.35	5.14	31	22	11.68
Balcarras	47.78	8.00	7	22	
Mt. Holstein	20.07	3.67	7	27	19.56
Cedar Hurst	9.19	1.80	13	21	
Hardware Gap	7.26	1.45	11	19	6.29

December, 1937.

STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
<b>NORTH-EASTERN DIVISION, contd.</b>	Ins.	Ins.			Ins.
Rose Hill	4.16	1.07	11	10	5.06
Mount Cressy	15.40	3.00	7		
Hermitage	0.75	0.30	8	6	
Mount Airy	8.48	2.18	13	15	
Stony Hill Ind. Sch.	1.01	0.46	7	6	3.81
Boon Hall	1.45	0.50	7	9	
Brandon Hill	6.80	1.52	8	13	
Enfield	38.57	9.30	21	19	
Agualta Vale	7.63	3.90	31	15	9.48
Castleton Gardens	19.72	3.35	13	21	12.78
Water Valley	10.21	2.20	31	16	9.46
Albany	11.14	2.26	31	17	9.41
Lawrence Tavern	2.09	0.61	8	7	4.36
Wey Hill	10.98	2.15	21	16	
Richmond, St. Mary	8.92	2.00	21	16	9.83
Quebec, St. Mary	10.77	5.15	31	17	9.47
Above Rocks	4.10	1.50	8	5	
Glengoffe	1.61	0.60	13	5	
Carew Castle					4.70
Hampstead, St. Mary	11.91	3.30	31	15	11.86
Windsor Castle do.	12.95	1.79	29	24	
Troja	10.69	5.72	21	10	
Pear Tree Grove	9.70	4.20	22	17	
Guy's Hill	8.81	1.32	21	24	7.42
Lucky Hill	12.15	3.95	31	22	10.23
Rio Hoe	8.13	1.76	22	18	8.45
Unity Valley	5.38	1.35	22	20	7.25
Moneague	4.94	1.30	21	19	7.25
Claremont	8.09	1.05	21	17	7.78
Averham Park					10.25
Albion	6.91	1.44	23	15	7.86
<b>NORTHERN DIVISION (N).</b>					
Port Maria	6.55	3.50	31	12	7.05
Wentworth	7.31	4.21	31	9	
Oracabessa	9.70	2.90	31	15	
Huddersfield	10.20	5.50	31	7	
Ocho Rios	5.62	2.35	31	11	6.62
Rockfield	11.33	1.83	29	19	9.39
Liberty Hill	7.29	1.50	6	14	7.86
St. Ann's Bay	7.76	3.88	31	14	7.25
Richmond Estate	4.47	2.39	31	11	7.92
Runaway Bay	4.51	1.90	31	5	3.39
Knapdale	9.63	2.24	21	19	
Alexandria	1.94	0.60	22	14	2.67
Bel-Air	7.55	1.90	31	17	
Brown's Town	7.41	1.72	21	24	8.42
Wilton	8.12	2.40	21	16	
Watt Town, St. Ann	1.92	1.01	11	9	2.06
Home Castle	10.25	2.90	21	10	7.53
Arcadia	7.06	2.48	21	17	6.65
Vale Royal	6.76	1.96	21	16	7.38
Harmony Hall	4.73	1.25	21	11	5.85
Duncans	3.33	1.35	22	11	
Clark's Town	4.84	0.75	2	12	
Falmouth	4.58	1.50	31	6	4.53
The Hague					
Wales					

STATIONS.	December, 1937.					STATIONS.	December, 1937.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
NORTHERN DIVISION, contd.						WEST-CENTRAL DIVISION, contd.					
Adelphi	5.20	1.57	21	12	..	Mereworth	3.52	2.02	1	9	..
Barrett Hall	3.15	1.30	22	5	..	Mandeville	1.99	1.11	1	8	2.95
Success	2.80	0.73	22	8	3.95	Ulster Spring	1.99	0.80	22	8	4.08
Rose Hall	2.74	0.65	17	9	4.64	Greenvale	2.40	1.60	1	2	..
Cinnamon Hill	3.08	0.57	17	9	4.66	Albert Town	1.75	0.41	17	11	3.71
Tryall	3.33	0.90	21	8	3.28	Craig Head	0.00	..	..	0	..
Running Gut	2.48	8.57	22	7	4.73	Warsop	4.10	1.00	27	9	..
Spring Estate	2.38	0.65	22	6	4.51	Troy	1.00	1.00	29	1	3.05
Friendship	4.68	1.50	22	14	2.88	Wallingford	0.20	0.15	21	3	2.26
Retirement	5.29	1.70	17	13	2.94	Balaclava	0.00	..	..	0	2.16
Rose Mount	3.19	1.07	17	12	..	Braes River	0.32	0.32	22	1	..
Montego Bay	3.02	1.03	21	8	4.26	Wakefield	4.04	1.05	22	11	..
Anchovy	1.71	0.64	22	5	2.85	Aberdeen	0.00	..	..	0	..
Hopewell	3.31	1.07	1	7	..	Accompong	0.10	0.10	29	1	..
Blue Hole	3.17	0.99	22	5	2.32	Maggotty	0.19	0.08	22	3	2.88
Cascade	4.40	1.35	22	7	..	Lacovia	0.36	0.36	22	1	..
Lucea	1.30	1.26	22	2	3.37	Mulgrave	0.23	0.20	21	2	..
Haughton Court	..	..	..	..	3.17	Holland	0.53	0.47	22	3	..
Kendal—Hanover	0.72	0.22	19	5	..	Ipswich	0.21	0.21	22	1	..
Cousins Cove	1.29	0.92	2	4	..	Ginger Hill	0.31	0.17	2	2	..
Green River	0.55	0.39	17	3	..	Kempshot	..	..	..	..	5.03
Green Island	0.75	0.75	22	1	2.14	Mocho, St. James	..	..	..	..	..
Haughton Hall	0.92	0.58	17	6	..	Bandon Pen	..	..	..	..	..
CENTRAL SUB-DIVISION.						Catadupa	1.23	0.59	2	4	2.88
Knollis	1.12	0.65	22	4	..	Cambridge	1.19	1.07	22	2	2.26
Highgate (St. Cath)	2.42	0.72	22	15	..	New Market	0.85	0.85	22	1	2.01
Rio Magno	9.15	3.63	22	11	..	Kew Park	0.61	0.56	22	2	2.56
Riversdale	2.40	1.70	18	3	..	The Bog	0.63	0.40	22	3	2.79
Headworks, R.C.C.	0.33	0.20	22	2	2.00	Bethel Town Dist.	1.18	0.52	22	10	2.19
Bog Walk	0.80	0.80	22	1	..	Burnt Ground	1.01	0.43	22	4	2.99
Linstead	2.00	0.67	10	7	3.37	Haughton Grove	..	..	..	..	2.95
Ewarton	1.41	0.50	22	6	..	Darliston	0.67	0.31	22	4	2.96
Cave Valley	1.12	0.50	22	4	3.05	Bluefields	0.34	0.22	22	4	2.67
Guanaboa Vale	..	..	..	..	..	Whithorn	2.76	2.40	17	3	2.49
Point Hill	3.79	1.69	22	11	4.43	Water Works Pen	2.89	2.60	17	3	2.21
Brown's Hall	1.06	0.85	22	2	3.31	Williamsfield, Wld.	0.43	0.30	17	3	..
Bellas Gate	1.04	0.63	22	5	0.98	Baulk	3.44	2.96	17	3	..
Rock River	1.17	1.17	22	1	..	Askenish	1.81	0.69	13	5	2.33
Crofts Hill	1.99	0.21	22	10	2.16	Grange Hill	2.15	2.00	17	2	3.01
Far Enough	1.19	0.30	22	10	..	Mount Eagle	1.90	1.75	17	2	..
Suttons	1.34	1.23	25	2	..	King's Vale	0.32	0.12	9	3	2.93
Colonel's Ridge	0.70	0.46	22	3	..	SOUTHERN DIVISION (S.)					
Chapelton	0.81	0.61	22	2	2.32	Morant Point L. H.	4.64	1.23	23	13	5.58
Crooked River	0.78	0.70	22	2	..	Golden Grove	4.22	1.40	23	12	..
James Hill	1.30	0.56	22	6	..	Pleasant Hill	6.40	1.34	23	17	4.39
Frankfield	1.75	1.15	22	2	2.04	East Prospect	6.82	1.59	6	15	4.65
WEST-CENTRAL DIVISION (W.C.)						Morant Bay	3.57	1.26	8	14	3.96
Mocho, Clarendon	0.10	0.08	4	2	2.00	Aeolus Valley	3.94	1.24	6	10	..
Smithville	0.96	0.72	22	4	..	Yallahs	3.22	1.20	23	5	..
Clarendon Park	1.29	0.53	22	9	..	Easington	0.22	0.10	19	3	2.63
Porus	1.15	0.50	23	3	..	Llandewey	1.13	0.50	6	4	..
Borobridge	0.49	0.20	17	5	..	Mavis Bank	3.02	2.30	11	4	..
Spaldings	1.88	0.60	1	6	2.13	Mavis Bank Factory	..	..	..	..	..
Williamsfield	1.76	1.02	22	6	..	Bull Bay	1.08	0.48	6	3	1.07
Brokenhurst	2.88	0.79	1	7	3.04	Dallas Castle	2.71	1.63	2	6	..
Shooter's Hill	3.63	1.33	1	5	2.16	Gordon Town	1.59	0.99	11	4	2.93
Wait-a-bit	2.67	1.58	23	7	..	Irish Town	1.77	0.48	12	10	3.11
Christiana	0.40	0.12	21	5	2.93	Hope Gardens	1.21	0.77	11	5	2.58
Holmwood	..	..	..	..	..	Waireka	..	..	..	..	..
Clifton Hill	1.58	1.25	1	2	1.57	Iver	2.88	2.32	11	8	..
Kendal, Manchester	1.81	0.78	23	4	2.50	Barbican	..	..	..	..	..
						Plumb Point L. H.	0.55	0.55	31	1	1.31

STATIONS.	December, 1937.					STATIONS.	December, 1937.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
SOUTHERN DIVISION, contd.	Ins.	Ins.			Ins.	SOUTHERN DIVISION, contd.	Ins.	Ins.			Ins.
King's House Gar.	0.63	0.58	11	2	1.91	Hog Hole, S. Man.	..	..	..	..	1.83
Up-Park Camp	0.98	0.35	8	6	..	Stone's Hope	2.37	0.60	18	9	2.45
Cavaliers	0.62	0.28	6	5	..	Newport, Man.	1.48	0.45	18	6	3.02
St. Georges College	0.83	0.40	6	4	..	Alligator Pond	2.28	1.50	16	5	1.97
Upper Kingston	0.79	0.38	6	6	0.73	Fairfield	0.63	0.27	22	11	2.43
Parade Garden	0.67	0.35	6	3	..	Pepper	1.25	..	..	2	..
Kingston P.W.O.	0.58	0.35	6	5	1.41	Myersville	2.55	1.65	1	5	..
Constant Spring	0.35	0.26	11	3	..	Goshen	0.60	0.60	22	1	..
Halfway Tree	0.17	0.06	5	4	1.70	Southfield, St. Eliz.	1.78	0.71	18	8	1.61
Clifton Pen	0.39	0.12	8	4	1.10	Windsor, St. Eliz.	0.94	0.30	18	7	..
Seaward Pen	0.15	0.15	21	1	..	Torrington	1.02	0.50	18	3	2.42
Red Hills	0.82	0.28	11	7	..	Santa Cruz	0.00	..	..	0	2.60
Quarantine Station	0.75	0.40	12	5	0.79	Hounslow	0.94	0.35	1	3	..
Hematine	1.40	0.92	16	3	1.34	Pedro Plains	0.00	..	..	0	1.44
Spanish Town	0.58	0.58	16	1	1.79	Mountainside	0.48	0.12	18	3	1.29
The Stewartry	..	..	..	..	..	Fort Charles	0.60	0.37	9	2	..
Hog Hole, St. Cath.	0.56	0.21	6	7	1.98	Black River	1.61	0.79	2	5	2.22
Claremont	..	..	..	..	..	Mt. Charles	0.15	0.15	18	1	..
Old Harbour	1.11	0.60	18	4	2.33	Font Hill	0.50	0.50	22	1	1.99
May Pen	0.64	0.19	18	7	2.00	Mount Edgecombe	0.48	0.21	22	4	2.36
Glen Muir	0.00	..	..	0	..	Sweet River	..	..	..	..	2.22
Cottage	4.91	3.15	11	5	..	Sav.-la-Mar	1.30	1.30	17	1	1.96
Belle Plain	1.56	0.86	22	4	..	Little London	1.20	0.80	17	2	2.17
Milk River	3.54	1.60	19	5	1.82	Retreat	0.45	0.45	17	1	2.21
Retrieve	2.29	0.72	11	7	1.25	Negril Point L. H.	0.40	0.38	22	2	1.97

## NOTES.

COMPARATIVE TABLE OF RAINFALL  
AND RAINY DAYS.

DIVISIONAL  AND  ISLAND RAINFALL.	December.			
	Rainfall.		Rainy Days.	
	1937.	Ave.	1937.	Ave.
	Ins.	Ins.		
North-Eastern	11.50	10.32	16	14
Northern	4.02	5.03	8	9
West-Central	1.35	3.26	4	7
Southern	1.57	2.19	5	6
The Island means	4.61	5.20	8	9

## SHOCKS OF EARTHQUAKE IN DECEMBER, 1937

Date.	Standard Time. (Approx.)	Intensity.	Notes, where, etc.
None reported.			

N.B.—IT IS PARTICULARLY REQUESTED THAT ALL RAINFALL POST CARDS BE SENT IN NOT LATER THAN THE 5TH OF EACH MONTH.



## THE ISLAND—DECEMBER.

The Mean rainfall was below the average in all Divisions except the North-Eastern, which had more than its normal.

Very heavy flood rains again occurred in Portland on the 8th, causing damage to roads and private property, also loss of life by a large landslide near Millbank.

The greatest total fall for the month was 49.62 inches at Comfort Castle in Portland in the North-Eastern Division. 48.57 inches fell at Greenvale, 47.78 inches at Balcarres and 41.51 inches at Paradise, all in Portland.

The heaviest fall in 24 hours was 14.50 inches at Comfort Castle in Portland, North-Eastern Division, on the 8th.

No rain fell at Craighead, Balaclava, Aberdeen, Glenmuir, Santa Cruz and Pedro Plains.

The mean number of rainy days was 8, the average for the month being 9. Moore Town, with 29, had most.

The Mean rainfall in each parish is given below, compared with the 10-year average. Portland with 22.74 inches was highest; St. Mary with 12.58 inches was next, and St. Ann with 6.61 inches was third, St. Elizabeth with 0.61 inch was lowest.

Parish.	1937.	10-year Average.	Parish.	1937.	10-year Average.
	Inches.	Inches.		Inches.	Inches.
Kingston	0.68	0.82	St. James	3.03	2.85
St. Andrew	3.06	3.40	Hanover	1.63	2.55
St. Thomas	5.10	4.13	Westmoreland	1.30	1.90
Portland	22.74	14.43	St. Elizabeth	0.61	1.70
St. Mary	12.58	8.97	Manchester	1.85	1.84
St. Ann	6.61	6.14	Clarendon	1.39	1.54
Trelawny	3.90	3.25	St. Catherine	3.04	2.98

## THE YEAR—1937.

The Comparative Table "A" gives the mean monthly rainfall in each Division, with the respective totals, compared with the 60-year average, and shows an excess of 3.57 inches.

The mean number of rainy days is also given compared with the 36-year average, and shows an excess of 6.

The mean rainfall per rainy day was 0.60 inch.

In the first half of the year the rainfall was 3% below the average, but in the second half it was 10% above.

Table "B" gives the mean monthly rainfall in the 14 parishes, with the respective totals, compared with the 10-year average. Portland with 146.74 inches had the highest total for the year; St. Mary with 94.86 inches was next, and Westmoreland with 92.79 inches was third. Kingston with 31.67 inches was lowest. It will be observed that the mean rainfall in all the parishes exceeded the total.

The differences that will be observed between Tables A and B, as regards both the total for the year and that for each month, are due to the former being based only on Stations with an average, while the latter includes all Stations.

## CITY OF KINGSTON.

The total rainfall for the month of December was 0.58 of an inch, as compared to the 60-year average of 1.41 inch, being two-fifths of the normal. There were 5 rainy days which correspond with the average. The upper boundary of Kingston gauged 0.79 inch with 6 rainy days.

The number of days upon which distant rain was observed are as follows:—

To northward, 2 days; to north-eastward, 2 days; to eastward, 1 day; and to south and westward, 1 day each.

Moderate norther on 2nd, 3rd, 6th, 7th and 29th to 31st.

Lunar Halo on 10th, 14th, 15th and 22nd. Generally a fair to fine month.

The mean barometric pressure was 29.907 ins. and the 33-year normal being 29.941 inches shews 0.034 inch below the normal. The highest reading was 29.991 inches on the 24th at 7 a.m., and the lowest 29.820 inches on the 6th, at 7 a.m. corrected for diurnal variation.

Mean monthly temperature, based upon four observations per day, was 77.1 degrees; the 33-year normal being 78.7 degs. shewing 1.6 deg. below the normal. The extreme maximum was 88.9° on the 27th, and the extreme minimum was 63.2° on the 5th equivalent to an extreme monthly range of 25.7°. On the other hand the lowest maximum was 78.5° on the 6th and the highest minimum was 73.4° on the 8th. The maximum was below 90° throughout, and the minimum was above 70°, 17 times. The greatest daily range was 21.5° on the 24th and the least range was 6.4° on the 6th.

The mean daily miles of wind registered was 155, the 25-year normal being 146, shewing 6% above the average. The greatest number of miles of wind recorded in 24 hours was 297 on the 7th and the least was 96 on the 15th. The highest hourly velocity was 24 miles per hour on the 22nd at 1.45 p.m.

The mean relative humidity was 77%, the 33-year normal being 80%. The mean 7 a.m. was 86% and the mean 3 p.m. 63%. The lowest 7 a.m. was 72% on the 7th, and the lowest 3 p.m. was 51% on the 4th.

Overcast conditions prevailed in the forenoon on 14 occasions and in the afternoon on 17 occasions. The total evaporation for the month of December was 3.48 inches. The 10-year average being 4.37 inches.

Mean daily number of sunshine hours not ascertained, the Sunshine Recorder being under repairs.

## CITY OF KINGSTON.

*Meteorological Results for the year 1937.*

The recurring Table (C) giving the Meteorological results for the year 1937, is appended.

The mean barometric pressure for the 12 months was for 7 a.m., 29.926 ins. and for the 3 p.m. 29.875 ins. By applying the correction for the diurnal variation, for these respective hours, an annual mean of 29.911 ins. is derived, which is .021 in. below that of the 33-year normal. The month of June was slightly above normal, the remaining (11) months were consistently below. January, March, November and December showed the greatest departures from their normals, viz., .058 in., .046 in., .054 in., and .034 inch below, respectively. These periods of low pressure were followed by excessive rainfall in May and November. In May, the Island Rainfall exceeded the normal by 30% and in November, by 70%. The abnormal rainfall in November caused serious damage to roads and bridges in the western and northern parishes, particularly St. James and Portland. The month of February showed the highest mean of 29.968 ins. and November, the lowest of 29.838, giving a mean range of 0.130 inch.

The mean annual temperature, based upon four observations each day, (or 1,460 thermometer readings during the year) was 78.9 degrees, which is 0.2° above that of the 33-year normal of 78.7 degrees. The highest maximum temperature was 94.0 degrees on July 28th and the lowest minimum was 63.2 degrees on December 5th. The monthly greatest extreme range was 25.7 degs. in December, and the least range was 19.7 degree in June. The mean monthly range for the year was 21.9 degs. and is 1.8 degs. lower than the 33-year results.

The Anemometer records for the year shew a mean daily total miles of 181, which is 2 miles less than the 25-year average of 183. The months of January, March, April and June recorded winds above the normal. July was equal to the normal, and the remaining months were below. The greatest daily mean of 262 miles was recorded in June and the least mean of 137, in November.

The mean relative humidity for the 7 a.m. observations was 82%, which corresponds with the 33-year average, and the 3 p.m. observations gave 67% which is 2% below the normal of 69%.

The total rainfall for the year, as registered at the Public Works Buildings, Port Royal Street, Kingston, was 28.10 inches, the 60-year normal being 31.56 inches. May recorded the greatest with 7.36 inches, and March the least with 0.01 inch. The total number of rainy days was 78, which is one less than the 49-year average. The greatest number of rainy days in one month was 15 in October and November, and the least, 1 in March. The amount of cloudiness for the year was 50%, as against the 33-year normal of 53%. This includes both 7 a.m. and 3 p.m.

## SUMMARY OF EXTREMES FOR THE YEAR.

Table (D) giving the extreme values of certain observations is appended.

July gave the highest barometer reading of 30.045 ins. on the 1st, and November the lowest, of 29.699 inches on the 11th.

The maximum temperature rose to 90 degs. and above, on one day in April, 2 days in June, 18 days in July, 10 days in August, 15 in September and 6 in October. Then the minimum temperature was below 70 degs. for 23 days in January, 28 in February, 23 in March, 4 in April, 4 in May, 3 in November and 14 in December, and kept above 70 degs. during the months of June to October. Taking the whole year, the maximum temperature was 90 degs. and over on 52 days, and the minimum was below 70 degs. on 99 days in the early mornings.

The maximum number of miles of wind registered in 24 hours was 483 on July 1st, and the minimum was 79 on April 12th. The greatest rate of hourly velocity during a short interval of time, was 36 miles per hour on 24th January.

The lowest monthly 7 a.m. mean relative humidity was 76% in June and the lowest mean 3 p.m. 58% in January. Then for individual days, the extreme lowest for 7 a.m. was 61% on June 1st, and the extreme lowest 3 p.m., was 41% on January 20th and 21st.

During the year the greatest rainfall in 24 hours was 3.30 inches on the 10th August followed by 1.55 inch on May 9th.

## CAYMAN ISLANDS.

Government House, Georgetown, Grand Cayman.—The total rainfall for the month of December was 2.16 inches. Greatest fall in 24 hours was 1.50 inch on the 22nd with 3 rainy days.

J. F. BRENNAN,  
Government Meteorologist.

Kingston,  
January 20th, 1938.

TABLE (A)—THE ISLAND RAINFALL 1937 (In Inches).

Month.	Divisions.				The Island.		Rainy Days.	
	N.E.	N.	W.C.	S.	1937.	Average for 60 years.	Means for 1937.	Average for 35 years.
January	9.25	3.64	2.59	1.93	4.35	4.00	10	8
February	3.60	1.60	3.92	1.36	2.62	3.13	6	7
March	2.93	3.08	4.55	2.04	3.15	3.35	7	8
April	2.70	2.20	7.90	2.55	3.84	4.77	8	9
May	12.22	7.79	14.76	10.40	11.29	8.77	16	12
June	4.85	3.51	6.92	2.24	4.38	6.53	9	10
July	4.87	3.40	8.05	3.34	4.91	4.75	9	9
August	6.80	4.81	8.78	6.36	6.69	6.93	12	11
September	4.27	3.54	7.63	3.08	4.63	7.94	10	13
October	13.90	10.22	15.62	11.61	12.84	10.21	17	14
November	23.14	14.28	9.74	9.35	14.13	8.29	16	12
December	11.50	4.02	1.35	1.57	4.61	5.20	8	9
Total 1937	100.03	62.09	91.81	55.83	77.44	..	128	..
Total 60-year Average	99.54	56.68	87.84	51.42	..	73.87	..	122

TABLE B.—MEAN RAINFALL IN INCHES FOR EACH PARISH FOR THE YEAR, 1937.

Parish.	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.	10 year Average.
Kingston	1.25	0.19	0.22	0.55	8.03	1.09	0.30	5.28	1.78	6.22	6.15	0.61	31.67	30.46
St. Andrew	2.20	1.52	1.35	2.28	11.41	3.26	3.97	7.63	3.14	13.22	13.70	3.06	66.74	68.47
St. Thomas	5.47	1.04	1.38	1.23	16.81	3.57	3.83	7.13	4.44	16.38	16.30	5.10	82.68	79.95
Portland	17.27	6.10	2.62	3.86	11.06	5.18	8.07	8.06	4.35	16.92	40.51	22.74	146.74	136.13
St. Mary	9.51	3.57	3.22	1.77	11.81	3.95	3.83	6.80	4.72	11.74	21.36	12.58	94.86	83.72
St. Ann	5.39	1.68	3.81	2.25	7.57	3.41	2.32	3.13	2.26	8.74	15.06	6.61	62.23	65.76
Trelawny	1.93	1.32	4.04	3.57	9.06	4.52	3.76	5.19	6.33	10.87	12.72	3.90	67.21	61.52
St. James	2.29	1.75	2.49	3.72	9.16	5.10	5.29	4.51	6.80	10.43	18.54	3.03	73.11	64.22
Hanover	2.92	2.22	2.25	7.16	12.60	8.21	6.98	6.74	7.09	14.35	15.65	1.63	87.80	81.25
Westmoreland	3.75	4.23	3.50	7.53	13.71	7.12	11.41	7.62	7.16	16.38	9.08	1.30	92.79	83.75
St. Elizabeth	1.62	4.38	6.01	7.66	12.63	2.78	5.76	9.01	6.29	12.75	7.41	0.61	76.91	65.74
Manchester	2.11	1.43	5.48	4.03	11.84	4.89	4.33	7.47	5.32	11.07	8.48	1.85	68.30	70.82
Clarendon	1.92	2.03	3.85	2.41	13.40	3.72	4.33	8.06	4.49	15.24	6.98	1.39	67.82	59.98
St. Catherine	3.29	1.60	2.78	2.62	10.44	4.37	5.46	6.86	3.54	13.32	8.82	3.04	66.14	64.75
Means	4.35	2.36	3.07	3.62	11.39	4.37	4.97	6.68	4.84	12.69	14.34	4.82	77.50	72.62

∞

TABLE (C)—KINGSTON, JAMAICA—METEOROLOGICAL RESULTS FOR THE YEAR 1937.

(FOR ELEVATION, See Foot Notes 1 and 2).

Month.	Barometer Pressure.		TEMPERATURE (FAR.)										Dewpoint and Relative Humidity.				Rainfall (ins.)		Rainy Days.
			Extremes for Month.																
	7 a.m.	3 p.m.	Mean.	7 a.m.	3 p.m.	Max.	Min.	Range.	Max.	Min.	Range.	7 a.m.	3 p.m.	Actual Fall.	Av. 60 yrs.	Av. for 49 yrs.			
January	Ins. 29.963	Ins. 29.901	76.7	69.2	84.6	86.4	68.5	17.9	89.2	65.1	24.1	°	°	Ins. 1.13	Ins. 0.87	6 4			
February	.981	.927	75.3	68.5	82.5	84.5	67.6	16.9	88.1	65.4	22.7	°	°	Ins. 0.10	0.61	2 4			
March	.939	.881	76.8	70.7	83.9	85.5	69.0	16.5	89.4	66.2	23.2	°	°	0.01	0.94	1 4			
April	.949	.890	78.9	74.7	84.6	86.9	71.5	15.4	91.2	68.8	22.4	°	°	0.58	1.17	2 5			
May	.899	.864	78.7	76.9	82.3	85.6	72.2	13.4	88.6	68.7	19.9	°	°	7.36	4.01	7			
June	.950	.913	81.1	74.8	85.7	88.1	74.2	13.9	90.9	71.2	19.7	°	°	0.70	3.53	3 6			
July	.961	.902	81.9	77.8	87.4	90.1	74.3	15.8	94.0	71.7	22.3	°	°	0.22	1.53	4 5			
August	.933	.886	81.0	76.6	86.6	89.1	73.9	15.2	92.8	70.8	22.0	°	°	4.76	3.60	9 9			
September	.893	.850	81.6	76.6	87.5	89.8	74.6	15.2	92.6	72.6	20.0	°	°	1.88	3.87	4 10			
October	.874	.821	79.8	75.3	84.3	87.8	73.6	14.2	92.2	71.3	20.9	°	°	5.39	7.10	15 12			
November	.801	.801	78.3	73.6	83.7	85.6	72.2	13.4	88.9	68.3	20.6	°	°	5.39	2.92	15 8			
December	29.920	29.866	77.1	70.7	84.3	85.7	69.7	16.0	88.9	63.2	25.7	°	°	0.58	1.41	5 5			
Means	29.926	29.875	78.9	73.8	84.8	87.1	71.8	15.3	90.5	68.6	21.9	°	°	28.10	31.56	78 79			
Totals																			

NOTES:—(1) Since the year 1907, the observations have been made as follows:—

At 148½ East Street—(a) Pressure, Barometer 111 ft. above sea level. (b). Temperature, (Thermometers 107 ft. above sea level and 4 feet above ground). (c) Clouds and their direction.

At Public Works Buildings, Port Royal Street—(d) Rainfall, (Gauge 57.28 ft. above sea level. (e) Wind—(Anemometer 69.38 ft. above sea level, wind vane 70.88 ft. above sea level.)

(2) Standard Barometer at Public Works Building—24 ft. above sea level.

TABLE (C) contd. KINGSFORD, 1937—MEAN RESULTS.

Month.	Wind. Miles per diem.	Wind: from and Miles per hour.				Clouds: in Tenths.						Weather Conditions, etc.
		7 a.m.		3 p.m.		Lower.		Middle.		Upper.		
		7 a.m.	11 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	
January	189	N 3.0	SE 15.2	N 4.6	1.4	2.1	0.4	3.1	1.2	0.6	0.6	Rainfall 30% above 60-year normal. Distant rain to N. 1 day N.E. 2, E., S., S.E., S.W., W., and N.W., 1 day each. Overcast a.m. 7, and p.m. 14 occasions.
February	169	N 4.2	SE 13.4	NNE 3.7	0.5	3.2	0.2	2.0	0.6	0.6	0.6	Rainfall one-sixth of normal. Distant rain to N. 5 days, N.E. 3 days. Overcast a.m. 2, and p.m. 14 occasions.
March	190	N 3.8	SE 16.2	NE 3.5	0.8	2.4	0.6	3.2	0.2	0.1	0.1	Rainfall 1% of normal. Less rain in this month recorded only twice in 67 years. Overcast a.m. 4, and p.m. 15 occasions.
April	213	N 3.6	SE 17.3	E 5.0	0.7	3.6	0.3	2.4	1.3	0.3	0.3	Rainfall about one-half of normal. Distant rain to N. 4 days, N.E. 5, E. 2, and to seaward and W., 1.
May	167	NNE 3.9	SE 11.1	NE 4.5	2.3	5.8	1.0	0.6	0.7	1.3	1.3	Rainfall 81% above normal. Distant rain to N. 15 days, N.E. 10, E. 7, S.W. 6, S. and S.W. 1 each, W. 5, N.W. 6. Overcast a.m. 12, and p.m. 15 occasions.
June	262	E 6.5	SE 19.6	E 6.0	0.2	3.4	1.0	0.7	3.8	2.5	2.5	Rainfall one-fifth of normal. Distant rain to N. 10 days, N.E., E., S. and S.W. 1 day each. Overcast a.m. 12, and p.m. 17 occasions.
July	227	NNE 4.7	SE 21.2	NNE 3.8	0.3	2.9	1.0	0.5	2.3	2.9	2.9	Rainfall about 14% of normal. Rain to N. 6 days, N.E. 4, E. 1, N.W. 5. Overcast a.m. 10, and p.m. 15 occasions.
August	174	N 4.2	SE 14.3	N 3.7	0.7	3.5	0.3	1.5	2.5	1.5	1.5	Rainfall 32% above normal. Rain to N. 13 days, N.E. 6, E. 2, S.E. 3, S. 2, W. 4, N.W. 2. Overcast a.m. 8, and p.m. 8 occasions.
September	143	N 3.8	SE 10.6	N 3.5	1.3	2.8	0.2	1.3	1.2	1.6	1.6	Rainfall one-half of normal. Rain to N. 6 days, N.E. 1, E., S.E., 2 each, W. and N.W. 1 each. Overcast a.m. 8, and p.m. 13 occasions.
October	152	N 4.2	SE 12.0	N 3.8	1.2	5.4	0.4	2.0	2.2	0.9	0.9	Rainfall three-quarters of normal. Rain to N. 14 days, N.E. 4, E. 5, S.E. 1, S.W. 4, S., W. and N.W. 1 each. Overcast a.m. 12 and p.m. 20.
November	137	N 4.3	SE 7.9	N 4.8	3.8	4.2	0.3	1.3	3.2	1.6	1.6	Rainfall nearly double the normal. Rain to N. 1 day, E. 4, S.E. 1, S. 3, S.W. 1, and N.W. 1. Overcast a.m. 23, and p.m. 18 occasions.
December	155	N 5.4	SSE 8.3	N 6.0	2.6	2.7	0.1	1.9	2.7	1.7	1.7	Rainfall two-fifths of average. Distant rain to N. 2 days, N.E. 2, E. 1, S. 1, W. 1. Overcast a.m. 14, and p.m. 17 occasions.
Means	181	NNE 4.4	SE 13.9	NE 4.4	1.3	3.5	0.5	1.7	1.8	1.3	1.3	Rainfall for the year 25.10 inches with 78 rainy days.

TABLE (D).—Summary of Extremes of Instrumental Observations, for the Year, 1937.

Month.	Barometer.			Temperature (Fah.)		Surface Wind.				Relative Humidity lowest.			Rainfall greatest in 24 hours.		
	Highest.	Lowest.	Date.	90° and above No. of days.	Below 70° No. of days.	Miles in 24 hours.			Greatest Velocity.	7 a.m.		3 p.m.			
						Greatest	Least.	Date.		Miles per Hour.	Date.			%.	
															Date.
January	30.028	29.867	3	0	23	380	107	16	36	70	22	41	20/21	0.80	28
February	.021	.922	28	0	28	307	111	3	34	79	13/20	47	19	0.06	26
March	.013	.805	14	0	23	310	108	3	27	75	11/25	44	2	0.01	23
April	30.020	.839	26	1	4	358	79	12	34	69	23/24	44	13	0.40	8
May	29.947	.806	26	0	4	340	102	20	27	65	15	61	6	1.55	9
June	29.988	.859	25	2	0	429	123	26	30	61	1	53	10/19	0.65	26
July	30.045	.881	8	18	0	483	131	5	30	65	10	45	15	0.13	22
August	30.028	.847	28	10	0	280	103	17	27	70	7	57	7	3.30	10
September	29.945	.809	24	15	0	201	102	27	19	76	18/24	58	16	1.30	27
October	.912	.796	31	6	0	215	90	26	30	80	20	55	4	1.64	31
November	.903	.699	11	0	3	220	97	26	24	78	16	66	15/30	1.10	2
December	29.991	29.820	6	0	14	297	96	15	24	72	7	51	4	0.35	6

The barometer readings are reduced to sea level, also corrected for diurnal variation.